je Itliming Iournal,

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

lo. 1640.—Vol. XXXVII.

LONDON, SATURDAY, JANUARY 26, 1867.

(SUPPLEMENT) {STAMPEDSIXPENCE. UNSTAMPED...FIVEPENCE.

Mining Exchange, London.

INING EXCHANGE, LONDON.—As the rules of the Mining Exchange PROHIBIT all its MEMBERS from ADVERTISING NG SHARES at FIXED PRICES, the Committee feel it their duty to that they have no means of offering redress to such of the public as may with those advertising shares at fixed prices.

A List of the Members can be had on application to the Secretary.

R. JAMES CROFTS, STOCK AND SHAREBROKER, No. 1, FINCH LANE, CORNHILL. (Established 23 years.)

CROFTS having devoted his attention to the position of a large number of which have recently emerged from almost total forgetfulness into favour-otice, refers to his remarks on p. 53, in this day's Journal, in reference to ction he has made of such mines, of which the following is a list, and continuously recommends purchases without delay:

Brownends purchases without delay:

Brownends purchases without delay:

Rose, Hill & Ransom.

East Rosewarne.

South Darren.

North Dolcoath.

Brownends purchases, but the writer believes that a more valuable, though brief, list of see, but the writer believes that a more valuable, though brief, list of see, but the writer believes that a more valuable, though brief, list of see, and the proposed of the spectial public.

Bankers: National Bank of Scotland, Einch-lane.

Bankers: National Bank of Scotland, Finch-lane. I L L I A M L A N E (SUCCESSOR TO JAMES LANE), 44, THREADNEEDLE STREET, LONDON, E.C., STOCK AND EDEALER (Established Thirty Years), has FOR SALE the following

REDEALER (Established Thirty Years), has FOR SALE the following RES:—

ottle Hill, 5s. 6d. 10 East Grenville, £2 4s. 15 No. Crofty, £5 18s. 9d. 10 East Lovell, £10\frac{1}{2}. 10 North Phœnix, £1. 15 Great Laxey, £17\frac{1}{2}. 10 North Phœnix, £1. 15 Great Laxey, £17\frac{1}{2}. 50 P. Thecof Wales, 36s 3d 100 North Phœnix, £1. 15 Great Laxey, £17\frac{1}{2}. 50 P. Thecof Wales, 36s 3d 100 North Phœnix, £1. 15 Great Laxey, £17\frac{1}{2}. 50 P. Thecof Wales, 36s 3d 100 North Phœnix, £1. 15 Great Laxey, £17\frac{1}{2}. 50 P. Thecof Wales, 36s 3d 100 North Phœnix, £1. 15 Great Wales, £2\frac{1}{2}. 50 North Phœnix, £2 17 North Phœnix, £1. 15 Great Laxey, £17\frac{1}{2}. 50 P. Thecof Wales, 36s 3d 100 North Phœnix, £1. 15 No. Crofty, £5 In South Phœnix, £1. 15 No. Crofty, £5 In No. Crofty,

R. LELEAN, ENGLISH AND FOREIGN STOCK AND SHAREDEALER,

11, ROYAL EXCHANGE, LONDON, E.C.
Bankers: Robarts, Lubbock, and Co., Lombard-street

IDE TO INVESTORS.—MR. LELEAN'S STOCK, SHARE, IDE TO INVESTORS.—MR. LELEAN'S STOCK, SHARE, AND FINANCE REGISTER for January contains the sixth of a serie cles on the whole circle of Investments—British and Foreign Stocks and Rank and Finance, Railway and Insurance, Gas and Water, and Manuing and Commercial Shares; with such information as is necessary to intending investors amidst the shoals and quicks ands of the multifariou of investments that now present themselves. vestments that now present themselves. ed by Pottle and Son, 14 and 15, Royal Exchange, London, E.C.

WILLIAM SEWARD, STOCK AND SHAREDEALER, 19, THROGMORTON STREET, LONDON, E.C.

SSRS. WILSON, WARD, AND CO., STOCK AND SHAREDEALERS.

16. UNION COURT, OLD BROAD STREET, LONDON, E.C. Can recommend two good mines for investment.

R. THOMAS THOMPSON, MINING OFFICES,
12, OLD JEWRY CHAMBERS, LONDON, E.C.
THOMPSON'S official connection with Great Laxey having ceased, and as
constantly receiving the most reliable information about the mines he
is strongly advise his friends to consult him before operating.
THOMPSON strongly recommends the immediate purchase of Westminster.

| Closing prices | Closing prices | Great Fortune | E $4\frac{1}{2} = \frac{5}{2} = \frac{5}{2} = \frac{1}{2} =$

ONTALES AND ST. JOHN DEL REY GOLD MINES.—
GEORGE RICE deals in these shares, as BUYER or SELLER, at prices, and being in possession of important information as to the proof the mines, can advise both speculators and shareholders when to their advantage.—Jan. 25, 1867. to their advantage.—Jan. 25, 1867.

LDBECK FELLS LEAD MINES,—GEORGE RICE strongly recommends a purchase in these great mines, before shares attamold price.—Jan. 25, 1867.

R. JAMES HUME, 74, OLD BROAD STREET, and MINING EXCHANGE.
TRANSACTS BUSINESS IN ALL DESCRIPTIONS OF MINE
SHARES, nett, at closest prices.
CIAL BUSINESS IN East Russell, East Lovell, Great Retallack, Great
Tolgus, Kitty St. Agres, Prince of Wales, Redmoor, East Carn Brea, Carn
Cook's Kitchen, North Crofty, Bottle Hill, South Condurrow, Chontales
Pestarena Gold, &c.
Ly shares recommended by Mr. HUME have had a very great advance, and

hares recommended by Mr. HUME have had a very great advance, and several which Mr. HUME feels assured will yet rise 200 or 300 per cent.
Mr. T. HUME's "Circular" forwarded on application.
Bankers: The London Joint Stock Bank.

ILLIAM MICHELL can advise the purchase of two or three mines that are more than likely to double in price in a very short time. At Russell has advanced 50 per cent. In the past week on cutting the ore the 140 fm. level. The north lode is the great object in view, which will be a creeted in about a month, when shares may go to a very high price. Buyn 6w156.— at. W.' (Hawvick).—The report and statement of accounts in appear in this week's Journal. The mine never looked so well as at the timement.

b moment.

RTALES.—"M. N." (Brighton).—The market for these shares is very liat present, when the next gold arrives you may, in all probability, get at preceding the shares, but you will have another 10s. call to pay in the

me.

TR.—K.—Had you been present you could have done no good, as everyras "cut and dried" before hand, and the secretary with his proxies
are out-voted you. A nice state of things for the management of any
What chance have you?

Money advanced on Mining Shares.

Apply to WILLIAM MICHELL, 42, Cornhill, London, E.C., Jan. 25, 1867

R. GEORGE BUDGE, No. 4, ROYAL EXCHANGE BULLDINGS, LONDON, E.C. (Established 19 years), has BUSINESS FOLLOWING mining shares:—Don Pedro, Anglo-Brazillan, Pestarena, at, Wheal Kitty (St. Agnes), Gawton, Maes-y-safn, Great North Downs, Rosewarde, United Mexican, Great South Toigus, South Condurrow, Clifrosper United, Wheal Buller, Cuddra, New Crow Hill, Caldbeck Fells, Carn Brea, Mineral Rights, Wheal Uny, Quebrada, East Grenville, Red-Prince of Wales, Drake Walls, East Barset, Hingston Down, Darren.

PETER WATSON'S "WEEKLY MINING CIRCULAR AND SHARE LIST—SYNOPSIS OF CORNISH AND DEVON MINES," of resterday (Friday), Jan. 25, No. 408, Vol. IX., price 6d. each copy, forwarded on application, contains a leading article on the Share Markets, and full particu-

a leading article on the Sh
lowing mines:

Prince of Wales,
Tincroft,
Carn Brea,
St. Ives Consols,
Great Wheal Vor,
Great East Lovell,
East Wheal Russell,
Wheal Chiverton,
Wheal Grenville,
Redmoor ars respecting the follow North Wheal Crofty. Drake Walls. Prosper United. West Caradon. Wheal Seton. Marke Valley. South Wheal Frances. Providence.

East Wheal Lovell,
East Pool,
Frank Mills,
Bryn Gwlog,
West Chiverton,
Cook's Kitchen,
West Wheal Frances,
Devon Great Consols,
Great South Tolgus,

And particulars as to the valuation of copper, tin, and lead lodes.

Peter Watson, Stock and Sharedealer, 79, Old Broad-street, London, E.C.

TOCK AND SHAREDEALER.—MR. PETER WATSON,
ENGLISH and FOREIGN STOCK, SHARE, and MINING OFFICES, 79,
OLD BROAD STREET, LONDON, E.C.
Railway, Joint-Stock Banks, Dock, Insurance, Canal, Mining, Steam-ship, &c.,
and every other description of shares bought and sold at nett prices.
TELEGRAPHIC MESSAGES to BUY or SELL, Railway, Bank, Mine, and
other shares and stocks, punctually attended to, at nett prices for cash, or for
fortuightly settlements, with advice as to purchases or sales.

Twenty-two years' experience.
(Two in Cornwall and Twenty in London.)

Bankers : The Alliance Bank, and the Union Bank of London. From the close proximity of his offices to the Stock Exchange, as well as the Mining Exchange, PETER WATSON is enabled to act with promptitude on all orders entrusted to him, which at all times are carried out with punctuality and to the best advantage of his cilents.

M. E. D.WARD COOKE, STOCK AND SHAREDEALER, 46, OLD BROAD STREET, LONDON, E.C. ast Lovell, Frank Mills, South Darren, West Caradon, Prosper United, and North Crofty.

Stock Exchange securities dealt in at close market prices.

Satisfactory references given in any town in the United Kingdom.

M. R. C. A. POWELL, SHAREDEALER, 78, OLD BROAD STREET, LONDON, E.C. (Member of the Mining Exchange). Purchases or sales effected at nett prices, for prompt cash or account. Clients treated with in all cases at a fair margin on the market price.

Mr. C. A. POWELL is prepared to BUY or SELL shares in any mines currently dealt in, and devotes especial attention to those prominently before the public. Daily Price List on application.

Bankers: Bank of England.

M. R. JOHN LITTLE, STOCK AND SHARE DEALER 77, OLD BROAD STREET, LONDON, E.C. (late of Redruth). Immediate attention to orders by telegraph or letter.

M R. JOHN BATTERS, STOCK AND MINLY SHAREBROKER, 13, THROGMORTON STREET, LONDON, E.C.

JOHN RISLEY, 32, LOMBARD STREET, and MINING EXCHANGE, LONDON, E.C., has SPECIAL BUSINESS in East Grey ville, Wheal Buller, and West Caradon shares.

E S S R S. W A R D A N D J A C K
STOCK AND SHAREDEALERS,
CUSHION COURT, OLD BROAD STREET, CITY, E.C.
Closing Prices, Friday Evening, January 25.
Buyers. Sellers. JACKMAN

Buvers.

WALTER TREGELLAS, 122, BISHOPSGATE STICET WITHIN, LONDON, E.C., DEALS in ALL KINDS of bona fide STOCKS and SHARES, at close market prices.
Bankers: Alliance Bank,

MATTHEW GREENE, STOCK AND SHAREDEALER, ST. MICHAEL'S HOUSE, CORNHILL, LONDON, E.C. O. 4. ST. MICHAEL'S HOUSE, CORNHILL, Bankers: Imperial Bank.

Bankers: İmperial Bank.

M. R. WILLIAM MARLBOROUGH, 1, GREAT ST. HELEN'S, BISHOPSGATE STREET. LONDON, E.C. (Established 12 years), has FOR SALE the FOLLOWING SHARES, at nett prices:—
50 Prince of Wales, 358 5
60 G. Retallack, 458. 56. 50 G. Retallack, 458. 56. 70 Frontino, 58. 36. 20 North Crofty, £5%. 40 Usest Caradon, £12½. 40 Chontales, £2 128. 40

MR. EDWARD BREWIS recommends the immediate purchase of East Wheal Seton shares, at present prices of ½ to ½, and South Condurrow, at ¾ to ½, both of which will advance considerably.

No. 8, Warmford-court, Bank, London., E.C.

MR. G. D. SANDY, STOCK AND SHAREDEALER,
NO. 48, THREADNEEDLE STREET, LONDON, E.C., TRANSACTS
BUSINESS in EVERY DESCRIPTION of STOCK EXCHANGE SECURITIES,
MINING and FINANCIAL ENTERPRISES, at close market prices.
Mr. G. D. SANDY recommends the immediate purchase of New Tamar, and
Lovell Consols, as a rapid advance in price is certain to take place early
this year.
Mr. G. D. SANDY's Circular for the present month, is now ready, and should
be represed by all interested in mining enterprise. Gratis, nost free.

used by all interested in mining enterprise. Gratis, post free.
Correct Daily Price List may be had on application.
Money advanced to any amount on legitimate stocks and shares,
References exchanged. be perused by all inter

BARTLETT AND CHAPMAN, STOCK AND SHAREDEALERS, 2, BUCKLERSBURY, LONDON, E.C. Business transacted in every description of stocks and shares at lowest market prices, free of commission.

All communications will receive immediate attention, either personally or by

N.B.—LOVELL CONSOLS: Intending investors should not delay purchasing at present low prices, £3 to £3½, The manager reports "that the lode is the 12 end is looking well, and from appearances anticipates having a great improve-ment very shortly."

WEST MARIA AND FORTESCUE.—An OFFER WANTED for 25 shares.
Bankers: London and Westminster.

M.R. R. EMERSON, 28, GREAT WINCHESTER STREET, LONDON, E.C., has the FOLLOWING SHARES FOR SALE at nett prices:—25 North Delcoath, 7s.; 29 Drake Walls, 27s. 5d.; 50 East Bottle Hill, 5s.; 50 Gwydyr Park, 2s.; 50 Pendeen, 29s.; 20 Great South Tolgang, 20s.; 50 Wheal Crebor, 1ds.; 10 Leeds and St. Aubyn, £5; 50 Sortridge Consols, 3s.; 5 Great Laxey, 217%; 5 Westminster Lead, £5; 100 Abraham Consols, 16s.; 5 South Callington, £2.

Great Laxey, £17½; 5 Westminster Lead, £5; 100 Abraham Consols, 1 South Callington, £2. And a BUYER of North Basset, West St. Ives, West Basset, and Dale Advice given on the sale and purchase of shares. Eighteen years' experience in Cornwall and thirteen in London.

M R. C H A R L E S T H O M A S, MINING AGENT, GENERAL SHAREDEALER, AND AUCTIONEER, 3, GREAT ST. HELEN'S, LONDON, E.C.

M. CHARLES THOMAS WILL SELL, at the London
One o'clock precisely, the FOLLOWING, with other shares.—
10 West Kitty.
20 Bottle Hill.
20 Central Minera,
100 West Beam.
20 Great So, Chiverton.
40 Bagtor.
50 Great So, Chiverton.
41 Bagtor.
50 Great So, Chiverton.
42 Green.
43 Green So, Chiverton.
44 Bagtor.
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40 Green S

live offer.

Particulars and conditions of sale may be had at the offices of the auctioneer,
No. 3, Great St. Helen's, London, E.C.; and at the MINING JOURNAL office, 26,
Fleet-street, London, E.C.

NORTH POOL MINE.—MR. CHARLES THOMAS has a NUMBER OF SHARES FOR SALE, for which no reasonable offer will be refused.—3, Great St. Helen's, London, E.C.

MR. T. E. W. THOMAS, MINING AGENT AND GENERAL MINING SHAREDEALER, UNION CHAMBERS, UNION COURT, OLD BROAD STREET, LONDON, E.C. Mr. THOMAS has SPECIAL BUSINESS in Bottle Hill and East Bottle Hill, West Kitty, North Wheal Crofty, and North Roskear.

MESSRS, LANE AND GIBBS, 2, ROYAL EXCHANGE LONDON, E.C. (Members of the Mining Exchange), STOCK AND SHAREDEALERS, AND FINANCIAL AGENTS, transact business in all kinds of securities at closes the nett prices for cash or account.

Parties of respectability can have transfers registered in their namez previous to payment.

Daily price list on application.

Bankers: London and County Bank.

SAFE INVESTMENTS FOR CAPITAL,

Paying 5 to 29 per cent. per annum upon the outlay.

SHAREHOLDERS, CAPITALISTS, TRUSTEES, and INVESTORS seeking valuable and reliable information, and requiring safe, sound, and profitable investments, should at all times consult

SHARP'S GENERAL INVESTMENT CIRCULAR (Post free).

It is a safe guide, giving every information to shareholders and capitalists.

GRANVILLE SHARP, STOCK & SHAREDEALER, 32, POULTRY, LONDON.

NANGILES AND EAST CHIVERTON MINES.—WANTED TO PURCHASE a FEW SHARES in those two mines. Sellers will please state number and lowest price for cash to GRANVILLE SHARE, No. 32, Poultry, London, E.C.

MR. JOHN B. REYNOLDS, 70 and 71, BISHOPSGATE STREET WITHIN, LONDON, E.C.
Mr. REYNOLDS never recollects a period so promising as the present for a quick rise in the price of good bona fide mining undertakings. His first Circular for 1867, now in course of preparation, will contain some startling facts relative to the past, present, and future prospects of this branch of industry.

Established Ten Years. Member of the Mining Exchange.

Bankers: City Bank.

M R. JOHN B. REYNOLDS.

Business transacted in British and Foreign Stocks, Railway, Bank, Insurance, Financial, or Mining Companies Shares, and all Miscellaneous Securities, at the lowest market quotations.

Exchanges effected and purchasers found for shares not generally marketable. Mr. REYNOLDS is a BUYER of any number of West Wheal Kitty shares. Sellers please state number and lowest price.

Telegrams promptly attended to. Established Ten Years.

Bankers: City Bank.

WARD,

M R . WILLIAM W A STOCK AND SHAREDEALER, No. 29, THREADNEEDLE STREET, LONDON, E.C.

JAMES D. GENN AND CO., STOCK AND SHAREDEALERS, 3, CROWN COURT, THREADNEEDLE STREET, LONDON, E.C.

MESSRS. McNEILL AND LONG, STOCK, SHARE, AND MINING DEALERS, 51, THREADNEEDLE STREET, LONDON, E.C.

MR. T. ROSEWARNE, 81, OLD BROAD STREET.

WANTED TO BUY, SHARES In the FOLLOWING MINES:—
Bedford United.
North Roskear.
North Crofty.
East Russell.
Wheal Stoon.
East Lovell.
East Rosewarne.
East Lovell.
East Rosewarne.
East Lovell.
East Gunnislake.
Great Vor.
West Caradon.
North Treskerby.
Wheal Bose.
Great Vor.
West Caradon.
Wheal Rosewarne.
East Carn Brea.
Great Retallack.
Prosper United.
Great North Downs.
Great North Downs.
Wheal Edward.
Princess of Wales.

Wheal Rose. Gawton. Tincroft.
Wheal Edward. Princess of Wales.
An OFFER WANTED for Lady Bertha, Old Gunnislake, Dale, Gwydr Park,
Pendeen, and St. Day United.
Parties desirous of investing in mining should consult T. Rosewarne, as
a great deal of money is to be made in several of the above mines.

Money advanced on mining shares. Bankers: Bank of England and Consolidated.

JOSEPH J. REYNOLDS, Jun., UNION COURT, UNION See letter on p. 55, for information on North Crofty and North Dolcoath, and full report in the Journal of Jan. 5-ECIAL BUSINESS, for time or account, in North Wheal Crofty, West Chiverton, South Condurrow, North Dolcoath, Lady Bertha, and many others.

HAREHOLDERS IN PUBLIC COMPANIES desirous of avoiding calls and further responsibility will find purchasers on applying to Messrs. BAREETT AND CO., 78, LOMBARD STREET, CITY, and No. 29, SPRING GARDENS, CHARING CROSS. Stocks, shares, mining, and other miscellaneous securities bought and sold. Investment Review on application. Cash advances made.

CARNARVONSHIRE CONSOLIDATED LEAD MINES

SHARES in this company, £3 paid.—Address, "J. Y.," Post-office, King William-street, London, E.C.

GRAMBLER AND ST. AUBYN, AND CLIFFORD AMALGA-MATED MINES.—FOR SALE, a large lot of SHARES in each of the above, and no reasonable offer refused.—Apply to "Veta," MINING JOURNAL office, 26, Fleet-street, London.

M ESSRS. DEBENHAM AND CO., No. 37, MOORGATE STREET, LONDON, E.C. (and at ST. ALBANS).

TRANSACT BUSINESS in every description of STOCK EXCHANGE SECURITIES, MINING and MISCELLANEOUS SHARES, at close market prices. SPECIAL BUSINESS in Bryn Gwlog, North Roskear, Chontales, Frontino, and Worthing shares.

MR. JOHN POMEROY, HORRABRIDGE, DEVON. having had upwards of 30 years' practical working experience as a copper and a miner, OFFERS HIS SERVICES to INSPECT ANY MINING PROPERTY ENGLAND. Mr. POMEROY can offer some new tin ground in the West of even to the attention of capitalists.

CAPT. RICH, BODMIN, CORNWALL, being in the centre of the mining districts of Devon and Cornwall, and having had 25 years' experience in the management and inspection of mines, OFFEIS HIS SERVICES to INSPECT and REPORT on MINES in either of the above countles. Orders premptly attended to.

Original Cornespondence.

THE OAKS COLLIERY EXPLOSION—THE FIRE-DAMP INDICATOR.

SIR,—Mr. Brown, in a letter to the Times of Jan. 9, says—"The public ought to know if Lord Kinnaird was warranted by Mr. Ansell's report to him in stating what he has done as to the Oaks Pit;" It therefore, send you an extract from Mr. Ansell's report to me for publication:—

therefore, send you an extract from Mr. Ansell's report to me for publication:

"On the day of publicly testing my instruments I could not find gas with them, nor could the engineers with their lamps, till we went into the goaf;" and he, therefore, on that day, considered the Oaks Colliery was perfectly ventitated. The second day's vist was private. "I was invited by Mr. Dymod to meet him, and go with him and Mr. Tewart to test the Aneroid indicator, as he wished to try it in the return air in the pit. In the pit on the second day Mr. Dymond, Mr. Tewart, and I looked for gas in the return air at the bottom of the Cupola shaft, and I found 5 per cent. (five per cent.) of five-damp in the return air. We then placed a trestle, and stood the Aneroid on that, and three times it gave the same result; and Mr. Dymond expressed himself perfectly satisfied of the fact as determined by the Aneroid indicator, although neither he nor Mr. Tewart could detect gas in their Stephenson's lamps.

"At my urgent request, Mr. Dymond, at inconvenience to himself, took me (Mr. Tewart going too) to the gas-works, as I called them—that is, to the gas-holder. When arrived there I was surprised, and so I believe was Mr. Dymond, to find that as much, and probably more, gas was escaping from a hole in the floor, some feet from the gas-holder, than was passing into the gas-holder. There was a good current of air passing, and Mr. Dymond sat on the intake side. I sat on the gas-holder, and Mr. Tewart, after some conversation in regard to the leaks with Mr. Dymond, went to examine them. After his examination we tested the indicator. Mr. Dymond held it about four feet from the ground, and found seventeen and a-half (174) per cent. of gas. Our heads were in this amosphere as we sat, and above our heads Mr. Dymond found twenty-two (22) per cent. of gas. He tried with his lamp, and was satisfied. Mr. Dymond, and dround seventeen and half (174) per cent. of gas. Juri half we were in the pit, about a mile from the upcast shaft, a fall of coal. Plate

Mr. Brown may hold that leaks (not sudden outbursts from the fall of coal) do not show a deficiency of ventilation: but he will hardly, I think, deny that 5 per cent., or two-thirds of 7½ per cent., which is the amount of gas required to make an explosive mixture, is sufficient to justify my statement, particularly as the ventilation is so much affected by the state of the external atmosphere, and it can scarcely be denied that the evidence at the inquest fully confirms all I have stated. Mr. Brown further states—

"I am not going into the merits of the ventilation there now, but am only recting attention to the discrepancy, real or apparent, between Mr. Ansell' attements to Lord Kinnaird and to myself."

I hardly think it fair for Mr. Brown to have published what passed in a private conversation at his house, and to have suppressed a most

im a private conversation at his noise, and to have suppressed a most important part, which was to this effect:—

"Mr. A.: 'Has that great leak at the gas-holder been stopped?'—Mr. B: 'Did you know that?'—Mr. A.: 'Yes; I went there with Mr. Dymond and Mr. Tewart, but I do not wish to speak of it, as it would be damaging to Mr. Dymond if mentioned, and it had not been set right?' "

KINNAIRD. KINNAIRD.

Rossic Priory, Jan. 18.

THE OAKS COLLIERY.

SIR,—In the Mining Journal of Saturday last, in alluding to the catastrophe at the Oaks and Talke Collieries, a correspondent states, with regard to the former, that the evidence goes to show that it was a very fiery colliery, and that the explosion could not have taken place had it been properly ventilated. Knowing something of the colliery alluded to, and having been down it very recently, allow me to say that it has always been considered one of the best ventilated collieries in the district, no less than 160,000 cubic feet of air passing through it every minute. Such, also, was the opinion of Mr. Ansell, who visited it in August last, and who offered to give evidence before the coroner to that effect, if required. Not being connected with any colliery whatever, as an act of justice I think it only proper to set your correspondent right, as I am aware his views are largely shared in by the public, who have had no means of obtaining reliable information as to the state of the Oaks Colliery.

J. R. Barnsley, Jan. 23. Barnsley, Jan. 23.

COLLIERY ACCIDENT COMPENSATION FUND.

SIR,—The idea of establishing a fund for the relief of sufferers by colliery accidents has on many previous occasions been mooted in the Mining Journal—indeed, the suggestion has followed almost every great calamity: yet hitherto the question has not been energetically taken up by the employers, and the consequence has been that the suggestion has gradually been lost sight of, only to be renewed after the next great accident. This apathy on the employers' part has, no doubt, resulted from no one feeling inclined to come forward on his individual responsibility and advocate the levying of an additional tax upon the community to which he belongs; but happily there has now been found a gentleman who, understanding the evils of false delicacy in the matter, has come boldly forward to promote the good of both employers and workmen: this gentlemen is Mr. W. R. Innes Hopkins, the Chairman of the Middlesbro' Ironmasters' Association, and if he will only persevere to secure the aid of the employers, he may reckon on the fullest co-operation of the workmen. Of course, a delegate cannot guarantee what the decision of the National Association of Miners, as a body, will be; but I know quite enough of SIR,-The idea of establishing a fund for the relief of sufferers by ciation of Miners, as a body, will be; but I know quite enough of the council to answer for it that they will fall in with any arrange-ment which is practicable and equitable—they do not wish to be under any obligation to the employers, but, on the other hand, will not let the employers secure themselves against the loss attendant upon colliery accidents at the expense of the workmen. To take the gist of Mr. Hopkins's letter, I find that he mentions the suggestion that the owners of each pit should be rated at a certain amount, to be paid into a common fund, based upon the annual average for the last five years of accidents in coal mines throughout each portion of the United Kingdom, and that out of this fund allowances should be made to the widows and orphans of those who are killed by the un-avoidable accidents of their calling; and then gives his attention to the mode of raising the fund, and upon this point he remarks—"As-suming that it would be equitable to divide the expense of the Com-pensation. Fund equally between the coal owners and the workness. pensation Fund equally between the coal owners and the workmen, It is evident that a contribution of one-sixteenth of a penny per ton of coal raised, and of one-half penny per week per collier, would raise an annual sum of above 55,000%, or allowing for contingencies, expense of collecting, &c., say of 55,000% a year, which would be sufficient to allow a more liberal provision for survivors than was adopted even in the Hantley cost. even in the Hartley case.

Now. I do not myself consider that this is such an arrangement a the workmen could adopt. They are not paupers; and would not, therefore, contribute on any other terms than the employers, nor therefore, contribute on any other terms than the employers, nor would they contribute unless they have the same power as the em-ployers in the distribution of the funds. Under these circumstances, I think the following scheme would be acceptable to both parties, and if it be brought before the Mining Association of Great Britain and if it be brought before the Mining Association of Great Britain at their meeting it will, I am sure, be discussed with equal fairness at the next delegate conference of the workmen:—First, we must have the data, which are contained in the following statements:—
"In the ten years ending 1860, 9090 lives of miners were lost in collieries. During these ten years 605,154,940 tons of coal were raised, so that one person was killed for each 66,573 tons of coals raised from the pits; 909 were killed annually, according to the average.

Then, as to the number employed—"There are in the United Kingdom 3268 collieries, in which are employed 307.542 coal miner produced by their labour, in 1865, 98,150,587 tons of coal, which is valued at the pit's mouth at 24,537,646%." Thirdly, we have the fact that by the Oaks explosion (where from the large number killed the figures will nearly represent the average) the death of 350 colliers left 214 women (153 of them widows) and 356 children unprovided for, which would show that from the 909 deaths we might expect

556 women (397 of them widows) and 925 children annually thrown upon the funds. These data will suffice for present purposes, and as all the variable figures relate to the same year, the calculations will be quite as correct as if we had the figures for 1866 before us.

To relieve these survivors, as the National Miners' Association considers they should be relieved, would require (say) 50l. for each child and unmarried woman, and 100l. for each widow, or (say) 94,000l. (93,900l.) per annum; and the question is how is this sum (which must be entirely distinct from all others) to be raised? To levy the sum at per colliery would be obviously unfair, and to levy it at per collier would be equally so, and hence we come to a levy on tonnage—94,000l must be raised on 60,500,000 tons of coal, and 60,500,000 halfpence would be 126,041l, 13s, 4d., which would cover the amount, and leave a good margin.

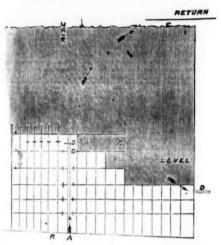
Now, if the Mining Association of Great Britain will co-operate with the National Miners' Association to obtain a short Act of Parliament to make it binding on both employers and workmen to con-

Now, it is a mining association of the Britain will co-operate with the National Miners' Association to obtain a short Act of Parliament to make it binding on both employers and workmen to contribute one farthing per ton, I am sure that both the individual employers and the individual workmen would regard it as a boon. As to the collection, management, and distribution of the fund, it would be simple enough. Let each pay-clerk deduct the farthing per ton from the wages each pay-day, and pay it within 12 hours with the employers' farthing per ton into the nearest Post-office Savings' Bank obtaining a duplicate receipt, one to be sent to the Government Inspector and the other to be hung up beside the special rules of the colliery until the next pay-day. The management should be in the hands of a committee formed of an equal number (chosen from the council of each association) of employers and of workmen, a quorum of such committee having the sole power to withdraw money from the bank and distribute the funds. In the event of the surplus exceeding that which the committee chaosider necessary, it could be conveniently reduced by Gazetting a notice that the levy would be suspended for a given number of weeks. As a means of bringing the councils of the two associations into communication upon this all-important question, and to avoid all personal jealousies in the matter, councils of the two associations into communication upon this animportant question, and to avoid all personal jealousies in thematter, I have to request you, should you consider the suggestions worthy of discussion in your columns, to forward copies to Mr. Wm. Mathews, the President of the Mining Association of Great Britain (previous to the meeting on Thursday), and to the President of the National Miners' Association, Mr. Alexander M'Donald, with the notification that it will be published in the Mining Luyang to pasturder. that it will be published in the Mining Journal on Saturday.

Jan. 21.

A DELEGATE.

VENTILATION OF COAL MINES.



SIR,-The figure No. 1 delineates a goaf, and pillar working adjoin ing it, the extent of the goaf being 40 acres; the northern part of this goaf has been formed several years, the remaining part baving this goaf has been formed several years, the remaining part having being formed more recently. The air enters the district at A, proceeding up the wagon-way bords to the point B, and then to the right to the edge of the goaf at C. It then proceeds to the rise, and coursing along the edge of the goaf, returns down parallel to the wagonway, where it passes into the main return through a regulator at R. The arrows show the course of this current, and also the current which passes through the goaf to the right. As I remarked above, this part of the goaf is very old, yet the air passes freely through it. A small hole, I foot in area, at D, through a stopping, admits this current to the return; and here it must be observed that this current is always pure or nearly so, not being at all mixed with gas of any is always pure, or nearly so, not being at all mixed with gas of any kind. The arrows also show that a current passes from C to the extreme rise at E, where a passage rather larger than that, D, is proextreme rise at E, where a passage rather larger than that, D, is provided, and at this part gas is often met with, particularly when the barometer sinks rapidly. At the point C, and along the edge of the pillars where the men work gas is never met with, this being a great advantage in every way. The effect of closing the outlets at D and E is, as might be expected, to allow the goaf to become charged with gas and choke-damp, which then appears in the working places at and near to the edge of the goaf.

I will only further remark that it appears to be supposed by many

and near to the edge of the goaf.

I will only further remark, that it appears to be supposed by many that in following this plan a more powerful ventilation is required than by the ordinary method, owing to the resistance met with in the forcing of the air through the goaf, but I think that experience shows the contrary to be the fact, and a given quantity of air applied in this way is more effective than in any other way, as if the goaf is allowed to become charged with gas, a much larger quantity of air is required to sweep the edge of it, so as to render the workings accessible and safe.—Newcastle, Jan. 23.

M. E.

MECHANICAL AND FURNACE VENTILATION.

SIR,-The recent colliery explosions have led many to suggest the abandonment of furnace ventilation altogether in collieries, and the substitution of mechanical ventilation for it; and, as from time to time a large number of ventilating machines have been invented, it will not, I think, be on ventilating machines have been invented, it will not, I think, be uninteresting to refer to a few of them, and comment upon the principal merits and defects of each; but, at the same time, I must remark that in my opinion for deep pits furnace ventilation is not only more economic, but considerably more safe than any mechanical ventilator which has yet been invented, even assumble that the contract of the contract that the contract that the contract the contract that the contract the most ordinary form of furnace to be used Wales's furnaces approach so nearly to perfection that but little more need be desired. The furnaces to which I allude were erected by the late John Wales at Hetton, and by their use not only can any part of the furnace be repaired at pleasure, but the quantity of air passed of the furnace be repaired at pleasure, but the quantity of air passed through the pit can be regulated as required. The steam jet produces somewhat the same effect as the furnace, but much less efficiently and much more expensively, so that the real comparison will be between the furnace and the machine ventilator.

The mechanical ventilators are of two distinct kinds—those on the contribution of the product of the contribution of the contribution.

air-pump principle and those on the fan principle, both of which are considerably more ancient than the furnace. The best forms of airconsiderably more ancient than the furnace. The best forms of air-pump ventilators are those of Struvé and Nixon, the former being a kind of modified gasometer, rising and falling within a cylinder, and, therefore (as the packing is water only), almost free from friction But the Nixon's ventilator, in use at the Navigation Pit, Aberdare, is probably, the most powerful mechanical ventilator yet erected; it is proteined in the practically an enormous horizontal cylinder, with a small railway within it to carry the piston, which is supported on wheels. There are 168 inlet and the same number of outlet valves on each side of

are 16s inlet and the same number of outlet valves on each side of the piston, and the quantity of air extracted is really enormous.

To turn to the fan ventilators, the principal are those of Guibal and Lemielle, which have been tried and approved, and that of Mr. Doull, of Westminster, described in the Mining Journal of Dec. 29, and stated to combine all the advantages of those already named. Guibal's is an ordinary centrifugal fan, but is cased in a peculiar manner, which prevents the great loss of air which usually results from driving a fan at a high speed; but even the best fans do not

utilise more than one-half of the power employed. Lemielle's tilator forces out the air by means of a series of flapping doors tened to an eccentric contained within a cylinder; the outer can the doors are connected with the tie-rods to the centre of the cylinder, so that as the eccentric revolves the distance between the centre of the eccentric and the outer end of the doors continually varies.

of the eccentric and the outer end of the doors continually varies Doull's fan the complications of the flapping doors are avoided providing a slot in the casing and fastening the other end of the to the eccentric; but in both cases the air is swept out in the amanner, and it is said with less loss of power than with Guiball's. The great objection, however, to all fans is that there is only given speed at which they will give out their full power, and as speed seems to vary almost daily, according to the state of the at the mine, a speed that suits one day will not suit the next. It and mechanical ventilators are all well enough for new work but for deep pits there is nothing equal, either for safety or efficient of the constructed furnace, which is the only ventilator to be manently relied on. The remarks of Professor Warington Smy the Royal School of Mines, in his "Coal and Coal Mining," just lished, are most apposite—"In selecting our ventilating powers are membered that the great object is to obtain a large velof air at moderate velocity, and that on this account most of simple fans, and certain other classes of machines, which has force the air through insufficient valve-room, give it an unnecent that the great object is to obtain a large velocity. force the air through insufficient valve-room, give it an unneces velocity, which, in other words, means increased resistance and minished ventilation"—and I fear that the same objection and with equal force to every mechanical ventilator yet constructed

COLLIERY ACCIDENTS—SUB-INSPECTORS.

SIR.—The late terrible accidents in collieries tend to prove an nion I had formed some years past when residing in Glamorgans which was the necessity of closer inspection on the part of the vernment. I have been told, and from good authority, that if vernment. I have been told, and from good authority, that if Government Inspector of Glamorganshire went down one pit, one level, every day he could not visit each working once in 12 me Now, if this is the case, why not have sub-inspectors—men of tical knowledge, whose duty it should be to make fortnightly to each colliery, and report the system and state of works to superior? The additional expense might be met by a fract charge on the coal raised, which would scarcely be felt by the or consumer.—Jan. 22.

BORING AND BLASTING EXPERIMENTS IN AMERIC DR. EHRHARDT'S NEW BLASTING POWDER.

SIR,—The Hoosac TUNNEL, which is being constructed for the pose of obtaining a more direct route between the Western State pose of obtaining a more direct route between the Western State the State of Massachusets, was commenced about 12 years ago, been vigorously worked at only for the last three years, since the authorities have taken it into their own hands. For the inform of your readers I shall give a short description of this enormous which is certainly one of the grandest undertakings of the age visit every part of the work in its turn, I shall commence we farthest or the east end, a distance of nine miles over the more from the west end of the tunnel; and a long, tedious, and fright cold ride it is in the winter, with the thermometer from 10° below zero, although on a warm and sunshiny day the magniscenery well repays for the long ride. Starting from the villa North Adams, nestled quietly in the little valley formed by the lock in the south, Hoosac in the east, and by a chain of hills north and west, except where the Hoosac river forces itself the western range, your horse creeps up the western side of the leavest side of the leavest results and the south of the leavestern range, your horse creeps up the western side of the leavest results and the south of the leavestern range, your horse creeps up the western side of the leavest results and the south of the leavestern side of the leavest results and the south of the leavestern side of the leavest results and the south of the leavest results and the south of the leavest results and the south of the south of the leavest results and the south of the sout the western range, your horse creeps up the western side of the mountain, 2510 ft. above high water, by a circuitous roadway, accomplishes the distance at last only by interminable winding accomplishes the distance at last only by interminable winding zigzags, reminding one of the parallels used in approaching ance fortification. Passing over this summit, the highest peak a mountain, you descend into a valley, and for two miles fancy self again on terra firma, and not an inhabitant of the regulous; but you have still to pass the eastern summit, 2210 ft. high water, before you descend the eastern slope and reach the East End of the Tunnel,—where the work is prosecuted will greatest vigour. Here, on the banks of the Deerfield river, village has sprung up since the commencement of the work, a machine shop for the manufacture and repairs of the tools, and numerous houses for the workpende have agent erest.

machine shop for the manufacture and repairs of the tools; and numerous houses for the workpeople have our nerected midst of as wild and picturesque a country as can be found world over. Before entering the tunnel I had, perhaps, bette an idea of its proposed dimensions, cost, &c., which will aid their in more clearly determining as we proceed the amount of woh and the amount still remaining to complete this gigantic ente. Its whole length is in round numbers 25,000 ft., or about 4½ its cost thus far is about \$2,000,000, and it is estimated that \$3,000,000 more will be required to finish the work. The expense of the work was necessar much of which in the earlier stage of the work was necessar. much of which in the earlier stage of the work was necessa perimental, and a more powerful blasting powder will ena State Commissioners to carry forward the work with greater State Commissioners to carry forward the work with greater n and at less expense than formerly; about 18,000 feet of tum still remains to be completed between the eastern and western. The eastern part is the most interesting portion; here the gramount of work has been done; the heading is now 3500 feet the mountain, the roadway for part of the distance graded, and porary tracts (rails) for the removal of the debris laid down the first 1000 feet the water percolates through the rock, but that the tunnel is perfectly dry, so that water has to be carpipes to the heading, where it is used to cool the drills.

The formation of the mountain throughout this part, and, is at every part, is mice slate—a very hard and tenacious rock.

at every part, is mica slate—a very hard and tenacious red occasionally mixed with a little quartz, but has varied ve from the mouth to the heading. This lock geologists ded from the mouth to the heading. This tock geologists decidends from the surface of the mountain to thousands of fest the Connecticut river; we may, therefore, safely assume the Hoosac has got a sound understanding, and that there is not of the tunnel falling through. The bore for nearly its entire has a section of 17 ft. wide, and from 20 ft. to 7 ft. in help heading always being kept in advance for about 500 ft. is signed to be, when complete, 26 ft. wide and 24 ft. high. It gas has been introduced to light the tunnel, a great improvem tallow candles or fire-flies, and much safer. At the heading the very interesting, the seene almost infernal; the glare of light roar and clatter of machinery, the rushing of compressed airth the pipes, for the purpose of ventilating the passage, supply workmen with the breath of life, and driving the machiner shall mention by-and-bye) certainly has a diabolical look. shall mention by-and-bye) certainly has a diabolical look mounted upon a "carriage," the drills are at work, from four in number, each one eating into the bowels of keeping up a horrible noise and racket. The drills have in the been one of the greatest drawbacks in the progress of the None up to a recent date had been found strong enough to see the control of the severe test to which this rock subjects them; but a Mr. Bur Fitchburg, has recently invented a drill, which has thus fit the utmost satisfaction. One of his drills recently bored at gate of 275 inches within six hours, making 11 holes at an distance of about 25 inches from each other, and another drills worked an entire week without stopping for repairs. must be acknowledged a remarkable feat for a bore. must be acknowledged a remarkable reat for a bore. The upon which these drills are placed will accommodate 12 at at till lately, owing to their constantly breaking down, not me four could be kept running: 110 men are employed at the the tunnel, and the progress made is at the rate of 50 ft, per Dr. Ehrhardt, whose powder has been often alluded to in the Dr. Ehrhardt, whose powder has been often alluded to in the Journal, has been trying experiments in blasting at this and part of the works, and the result is that with one-half the of his powder he effects one-third more work at the same time with the full quantity of the blasting-powder, and it is set that with holes of larger dimensions the powder will do me double the work, which will, of course, very effectually decompletion. The blasting is done by means of an electric the one used is the "Ebonite," manufactured by Messager time breaking down from 50 to 40 holes are exploded at the property of time, breaking down from 6 to 15 cartloads of rock. At the blast the carriages are run back for a distance of about

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and two heavy iron gates are closed, to protect the drills from being injured by the debris. The smoke caused by the explosion is driven out of the tunnel by air compressed through iron pipes from an immense compressor, located some distance from the mouth of the tunnel. This compressor, and a smaller one used for running the drills, are driven by water-power, supplied by a magnificent dam, ade for that purpose across the Deerfield river. The larger has all the larger has the purpose across the Deerfield river. The larger has the tunnel by a 12-in, pipe; the smaller has four 13-in, cylinders, and communicates with the heading of the tunnel by a 12-in, pipe; the smaller has four 13-in, cylinders, and sends the air through an 8-in, pipe; this one is worked at a ressure of 40 lbs, to the square inch, which would be sufficient to eat the air to 350°, were this not prevented by the injection of a constant stream of cold water into the cylinder. At Mont Cenis, where compressors where first used in drilling and ventilating, the glinder is immersed in water, but the process here is more effective, and less objectionable in other respects. The men work in three rliefs or "shifts" a day, the different gangs going in at 8, 4, and 19 o'clock, each gang working eight hours.

The Central Shaft.—We must now retrace our steps four miles or more to the valley between the two summits of the mountain, at a point equi-distant from the two portals of the tunnel, where a shaft is being sunk to the line of the tunnel 1037 ft. deep. I have spoken of the two summits; let me state here that the perpendicular of the western a little over 1700 ft.; so that in forming the valley Nature has wonderfully aided and facilitated the sinking of this shaft, lessening its depth from 700 to 500 feet. This central shaft is now fown to the depth of about 400 feet, and the work has steadily professed at the rate of 5 feet per week; it will with stronger blasting form the shaft is in the form of an ellipsis, with axes of 27 and 15 ft.; the longer axis l convulsion beneath is always in the rear of the party making the test. The descent is made by means of an iron bucket fixed to a stout wire-rope, and, next to Providence, you have to place your reliance on that; the journey down is made in about one minute. Below the workmen, encased in waterproof clothing, each with a fire-fly lamp adjusted to the visor of his hat, are busy shovelling to one side the debris thrown up by the explosion, preparatory to its being removed to the mouth of the shaft. Here from 30 to 40 men are employed in three daily reliefs, as in the east end. Very little trouble has at any time been experienced in this shaft through the fall of water, which has at no time been sufficient to stop the work. About 200 ft. down a reservoir is cut into the side of the shaft, and to this is directed the water as it falls from above on a roofed structure, inclining towards the reservoir; it is then pumped to the surface, where it becomes servicable for the boilers, &c. Here Dr. Ehrhardt's powder has been thoroughly tested, and its success will, no doubt, lead to its being introduced to all parts of the work. It was first thought of gutting intro-glycerine for blasting-powder; the great difficulty of getting it pure, and its being so extremely dangerous when impare, induced the authorities to abandon the idea.

I have said that the axis of this shaft is calculated to be about I foot north from the centre of the tunnel. The shaft sunk from the crib down to the Chicago Lake Tunnel was only 9 in. out of the calculation. The engineer of the Hoosac Tunnel, Mr. Thos. Donne, is confident that the shaft here will strike the tunnel bed at the exact point indicated; the line of the tunnel reaches its highest grade where it is to be connected with the shaft, the inclination towards the two portals being sufficient to drain the roadway from the centre to either mouth. When the shaft is down to its full depth work will be commenced on the tunnel from it towards both ends. The importance of the shaft, not to speak of i

work will be commenced on the tunnel from it towards both ends. The importance of the shaft, not to speak of its aid to the ventilation of the tunnel when completed, will, therefore, be readily understood.

The West Shaft,—Three thousand feet from the western face of the tunnel a shaft has already been sunk to the grade of the bore, a depth of 326 ft.; from this shaft, east and west, the tunnel is being worked, the bore at the present time extending over 300 ft. towards the western portal. Considerable trouble is being experienced from water in this shaft; the influx is equal to 250,000 gallons a day. This, however, will soon be overcome by the introduction of improved machinery. Water, the great enemy of undertakings of this kind, will be only slightly troublesome in the future of this great enterprise. Benery. Water, the great enemy of undertakings of this kind, will be only slightly troublesome in the future of this great enterprise. Between the west shaft and the western portal a—

Supplementary Shaft—is being sunk 275 ft. deep, for the more perfect observation of the line, and for pumping purposes. This shaft

The Western Portal—is situated about two miles from North Adams.

Here the greatest difficulty has been experienced in tunnelling. The soil is porous, and water washes it down so rapidly as to prevent all progress in the heading; but even this is now overcome. Mr. B. N. Farrel contracted to tunnel and arch with brick 400 ft. of this face, the work to be completed by July I. part, even on helf is clearly.

Farrel contracted to tunnel and arch with brick 400 ft. of this face, the work to be completed by July I next; over one-half is already finished. It is expected that the masonry work will have to be carried to the depth of about 1500 ft. before the solid rock is struck, and the archway can be dispensed with. Between 300 and 400 workmen are now employed over the tunnel.

There is no doubt that when finished the tunnel will be of immense benefit to the country; as it is, the formerly small village of North Adams is rapidly rising to a large manufacturing town: this, of course, is only local, but the facility afforded through the tunnel for the traffic with the West will prove of the greatest importance to the commerce of the whole country. A work like this tunnel would be grand anywhere, but in a wild country, where the resources of labour are so very impaired, it gains much in importance.

H. G. Boston, U.S., Dec. 31.

TRO-GLYCERINE, EXPLOSIVE AND NON-EXPLOSIVE.

The other century is a repeat our assurance, founded on practical apprience, that Nitro-Glycerine will not explode from slight concustion, but requires a good smart blow, such as with a hammer on an or the explosion of a strong percussion-cap in the blasting-oil.

It is nothing new to inform your readers that nitro-glycerine will city explode from a blow. Mr. Nobel, the patentee, has always so stated, and that it crystallises at a higher temperature than water. The description of the properties of blasting-oil, and instructions for its use, as published by us, and supplied to all customers, contains the following paragraphs: mperature, and that when crystallised it

the following paragraphs:—

"If prepared in an explosive state it crystallises at 43° to 45° Fahr.

Do not strike the crystallised blasting-oil with a hammer. It is difficult to explode it, but, unlike the fluid oil, the whole will go off, and

not the part only which comes in contact with the hammer."

Practical experience is worth far more than speculative statements deduced from theory. The following occurrence took place only last week:—Some quarrymen prepared a blast of nitro-glycerine in a neighbouring quarry, and attempted to explode it, but had a mis-fire. neighbouring quarry, and attempted to explode it, but had a mis-fire. They then prepared and fired four separate charges of gunpowder in cartridges, without exploding the oil, and not being able to accomplish their purpose, they abandoned the attempt, and left the oil unexploded for two days. Having been informed of this, we attended and examined the drill-hole, and on using a probe we found water-fee near the bottom, below which the oil had, no doubt, crystallised. We then prepared and inserted into the hole a cartridge containing about 4 by of liquid oil with two and can and on fine it the whole about \(\frac{1}{4} \) lb. of liquid oil, with fuse and cap, and on firing it the whole of the oil exploded, doing its work in the most satisfactory manner. It was evident that the concussion from the powder explosions was not severe enough to explode the crystallised oil, though the stronger ncussion from the small charge of blasting-oil did so. This is one

only of numerous facts constantly coming under our own observation, which justify us in so confidently repeating our assertion.

The above observations, it will be seen, apply only to nitro-glycerine prepared in an explosive state, and so do M. Kopp's observations referred to in the extract from the Lancet. Protected or inexplosive Blasting-Oil, as now prepared by Mr. Nobel, has only been manufactured since the publication by M. Kopp of the result of his experiments, and this, the inexplosive oil, will not crystallise at the lowest temperature ever known in any part of Great Britain. On the night of the 21st instant we exposed some in a phial bottle, on ground covered with ice, on one of the mountains near Llanberis, and in the morning we found the bottle frozen to the ground, yet the oil was not crystallised, but perfectly fluid. The thermometer by its side, unfortunately, was not a self-registering one, and, consequently, we cannot tunately, was not a self-registering one, and, consequently, we cannot tell the lowest temperature to which it was subjected, but it marked 11° below freezing point when we saw it. The Hamburgh Association for the Promotion of Arts and Useful

Professions have lately published a Report of a Commission charged with the investigation of the properties of the protected nitro-glycerine, which sets out a series of interesting trials, too long to insert in our present communication, but from which they arrive at the fol-

our present communication, but from which they arrive at the following conclusions:—

The Commissioners, after these tests, have arrived at the conviction that blasting-oil mixed with pure methyl-alcohol is really inexplosies, so long as the latter has not volatilised. Thus protected blasting-oil, in the opinion of the Commissioners, is perfectly inexplosive when properly handled, and, consequently, also safe for transportation.

The properties of the protected blasting-oil have also been subjected to a searching investigation by a Royal Military Commission appointed by the Prussian Government, which has published a report also setting out the tests applied, from which the following are extracts:—

tracts:—
It was cooled down to 8° Reaumur without congealing, and preserved its whitish colour.

whitish colour.

The Commission believe they are justified in expressing the conviction that protected biasting-oil, when handled and transported with due precaution, and packed into proper vessels, is perfectly safe.

We forward you a copy of these reports, and if any of your readers interested in the subject would like to see them we shall be happy to supply them with confea also.

We forward you a copy of these reports, and if any of your reasers in the subject would like to see them we shall be happy to supply them with copies also.

There can be no doubt of the correctness of one of M. Kopp's conclusions when he "a seribes the cause of the recent accidents to the impurity of the nitro-gly-cerine, which when acid decomposes, most readily giving off gas, and producing oxalic and glyceric acids." But his suggestion, in the face of this, that thehold "be made on the spot" appears to us most extraordinary. The best reply that can be offered to this will be found in the communications addressed to Col. Tal. P. Shaffner (no mean authority) to the Scientific American, and we published in the Supplements to the Mining Journal of Nov. 10 and Dec. 8. After referring to the accidents which had occurred at San Francisco, and "the warning they ought to have been to every person not to trifle with this greatest of all explosive substances," he adds—"But those warnings have not had that desired effect, as has already been demonstrated in the laboratories of several clever chemists, who had recently attempted experiments in its composition on a small scale. The public should be cautioned in its use, as none but the very best materials. In exact proportions, and skilfully prepared, will make an article which is not liable to accidental explosion. From my knowledge of Mr. Nobel, the Swedish inventor, and my recent acquaintance with the members of the United States Blasting-Oil Company, I feel safe in saying the public may rely on obtaining from them an article which can be more safely handled and transported than gunpowder. The violation of the patents upon the subject is of small importance, but the endangering of life by an imperfection in its manufacture is serious. I have had, probably, more experience in the use of nitro-glycerine than any other man, extending back many years, and I have never had any misfortune to life or person, and there need not be any by its use for blasting purposes."

With th

With these extracts we must be content, for we should not be jus-tified in further trespassing on your space, but allow us to add that though this discussion is not our seeking, yet we do not shrink from it, being well assured that the more the merits and demerits of nitroin some minds against its use is likely to be dispelled.

WEBB AND CO. Carnarvon, Jan. 23.

SLATE QUARRIES-REPORTS.

SLATE QUARRIES—REPORTS.

SIR,—Permit me to thank the "Man of Experience" for his criticism on the report of Llanberis Quarry in the Journal of Jan. 12. With all due deference to the Secretary's reply, I believe the critic in this instance has written in a very gentle style; at all events, it is clear he had no desire to depreciate the value of the company's property. It must be admitted that there exists a system which in the hands of unprincipled men is the means of floating companies to work properties which really do not present to the experienced eye a single feature of future success. Parties obtain, by purchaseor bribery, or both, favourable reports upon worthless properties from men holding situations of responsibility, from whom ability and honesty might be expected, and thus induce English capitalists to embark in schemes which lead to loss and ruin. It is high time that a stop should be put to such a system—otherwise English capitalists will become so disgusted with their losses that they will avoid all slate speculations, however promising and legitimate they may be. I am proud to find the "Man of Experience" in the field: he is taking a step in the right direction. By exposing errors and misrepresentations, be will hasten the dawn of a new era in slate speculation, in which scientific ability and moral integrity will take the lead.—Dolgelly.

WEST BASSET y SOUTH EDANCES

WEST BASSET V. SOUTH FRANCES.

WEST BASSET v. SOUTH FRANCES.

SIR,—As an out-adventurer in South Wheal Frances and other Cornish mines, I venture to make a remark or two on the above subject. With regard to the charge of 450l, for expenses incurred in defending the appeal to the House of Lords, I limagine the charge is only pro forma, to be reimbursed by West Basset, with a large amount besides. Your correspondents, Messrs. Ward and Jackman, have just hit the right nail on the head, by ashing "if the great body of share-holders in West Basset are consenting parties to more expenses in law, as the managers of the mine hold only one-sixth of the concern?" My opinion is that the great majority of the shareholders are innocent of this fresh attempt at law expenses, and I advise them to attend the next meeting, and put a stop to such a hopeless proceeding. If the West Basset committee are dissatisfied with their leases, why do not they seek redress in the proper quarter—from Mr. Basset, who granted them? If I might judge from the West Basset reports for the last two years, they are far off from being in a condition to withstand law charges—indeed, the example of introducing law suits between mines is most pernicious. No one was more energetic than myself in insisting on better management and retreachment in the case of East Carn Brea, the result of which is now palpable, as at the last meeting, with about half the former copper sales, a profit was shown, and the mine on the high road to good and permanent dividends.

THE BUCKEASTLEIGH DISTRICT

THE BUCKFASTLEIGH DISTRICT.

THE BUCKFASTLEIGH DISTRICT.

SIR,—The mines here are opening out exceedingly well, and likely to produce two prizes for this year. BROOKWOOD is now paying regular dividends, with every probability of a continuation. Making bi-monthly returns of copper of from 1000l. to 1100l. Wheal Emma, adjoining, is now making a profit, after many years' working; the returns in copper have realised from this mine alone upwards of 50,000l. The discovery made at the 70 some months since is opening out in length and depth, and the ore is very rich in quality. The engine-shaft is now being sunk, and is 10 fms. under the 104. A winze sinking from the 90 to this level is going down in a productive lode, producing grey and yellow copper ore, very rich in quality, valued at 16l. per fm. The returns for the past twelve months are 4800l., and with a fair standard would have given to the adventurers 800l. or 1000l. profit. East BROOKWOOD is also situate in the same neighbourhood, and is a mine of unusual promise. Three very fine lodes have been opened at the 20, and have produced fine rocks of copper; these lodes only require depth to open out a good and lasting mine.

Looking at the large amounts spent in the mines in the Western District of Cornwall, compared with the small outlay required to bring the mines in this district into a paying state, it is obvious that investors would do well to turn their attention to Eastern mining. The public are not, as a rule, far-seeing investors, preferring old mines new named, requiring expensive machinery to drain the workings, with rich lodes in perspective, but, when unwatered, the ore is generally wanted.

A WELL-WISHER TO THE DISTRICT.

WEST MARIA AND FORTESCUE CONSOLS.

WEST MARIA AND FORTESCUE CONSOLS.

Sir,—Some three years since a discovery was made in the adit level of this mine, from which large returns of copper were anticipated at deeper levels, and shares were selling at 41, per share readily. On these prospects two engines were erected, and the old engine-shaft, sunk by the former adventurers, was cleared and made available to the 60, and cross-cuts driven to cut the West Maria and Capel Tor lodes at the 49, 50, and 60 fm. levels. Now, I wish to be informed how it is, after spending some 16,0004, and the committee arranging for a new lease, when the old one had three years to run, giving the large amount of 2000, to the dords of West Maria, only one portion of the sett, and after continued reports of productive lodes, greater progress has not been made? The West Maria lode, worked at a tribute of 10s. in 12, in the adit, has never yet been seen deeper at this point. The cross-cut at the 60 north, to intersect the Capel Tor lode, has taken some 16 months to drive, and is not yet met with. The returns promised by the agents some 12 months since of 50 tons monthly have never been realised, although the reserves at the last meeting, in October, were valued at 47600.

The questions arising are these—Is not the shaft in the wrong place? and are there sufficient men kept in the ends to develope the resources of the mine? Agencies and merchants' bills go on whether the ends do or not. How long before it is intended to sink the winze west of new shaft from the 12 to the 20 on the "valuable plece of ore ground," as mentioned by the agents in their report to the last general meeting? When will the West Maria lode be seen at the 30 under the tribute plitch in the adit, from which "large discoveries were to be made?" It is high time for the shareholders to look into these matters. The set tistef, it is well known, is one of the best for position in the county adjoining Devon Great Consols, and to bring it into a profitable state only requires Capt. J. Seccombe's advice to be acted

from the Capel Tor and 15 fms. from the West Maria lodes, and if continued on its present angle will gradually near the latter in going down. If those operations are carried out energetically, I see nothing to prevent this mine ere long being brought into a paying position."

INQUIRER.

EAST HOLYFORD MINING COMPANY.

EAST HOLYFORD MINING COMPANY.

SIR,—If the authorities of this mine would take measures to get the men and merchants at the mine paid, they would do much better than to waste time, paper, and money in recrimination. It little serves starving men who are Chairman or directors, so long as they are unpaid for three months. On enquiring they find that one has left, another declares he has nothing to do with it, the next repudiates all connection, and the fourth is rusticating in the Debtors' Prison, Dublin. This is a serious affair for the shareholders, who have paid their monles, as no money is in the bank, the salaries and liabilities all fast accumulating, and law costs creating, to swell the amount of responsibilities. It is their interest, as well as duty, to see to the matter at once; they may by instant action get out of the affair comparatively easily to what will be the case by delay; early action may cause delinquents to consider the wisdom of their doings, even if they did not regard justice.

A SMALL SHAREHOLDER.

FRONTINO AND BOLIVIA COMPANY (LIMITED).

by delay; early setton may cause delinquents to consider the wisdom of their dolings, even if they did not regard justice.

A SMALL SHAREROLDER.

FRONTINO AND BOLIVIA COMPANY (LIMITED).

**SIR,—I have read with much astonishment a letter which appeared in last week's Journal, bearing the signature of "Henry L. Phillips," who styles himself the managing director of this company, in which he states that he is interested to the first paragraph of Mr. Phillips's letter, he is perfectly right in saying that there was some insubordination in the Bolivia Mine, which arose, not from the circumstances mentioned in his statement, but from the following facts:—lst. That no money was forthcoming from the directors in England—which was always the case from the commencement of the operations of the company—but that the resident agents had to pay an additional amount to the building facts:—lst. That no money was forthcoming from the directors in England—which was always the case from the commencement of the operations of the company—but that the resident agents had to pay an additional amount to the building of the company—but that the resident agents had to pay an additional amount to the company—but that the resident agents had to pay an additional amount to the company—but the pay of the company for the pay of the company of London directors, who know nothing of mining transactions.—2dly. That the natives, who are registered for nating purposes, took possession of the mines of the pay of the pay of the pay of the company for the purpose of being laid before the board of directors in the regular manner; that they contained nothing whatever irrelevant to the business of the company, but were intended for the information and guidance of themselves and the general body of shareholders. And how is it possible that Mr. Rouch, who have a stained (when he spent only half an hour on a Sunday morning on the Bolivia establishment) of mining or engineering, which he never studied or practised in his life? And it seems to me to

Meetings of Mining Companies.

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY.

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY.

The general meeting of shareholders will be held on January 29.
The report to be submitted states that the agreement for incorporating the management of the Clumes Mine with that of the Reduction Works (which came into operation in February, 1865) continues to work most satisfactorily for both parties. A complete unity of action has been established throughout, and the result has been greater efficiency in the management, and the effecting a considerable economy in the expenditure. The quantity of quartz crushed during the year ending October 3 has been 59,576 tons; the produce of gold has been 19,775 ozs., being an average of 6 dwts. 15 grs. per ton. The quantity crushed during the proceding year was 54,413 tons; the produce of gold was 29,596 ozs., being an average of 7 dwts. 13 grs. per ton. Their return shows an increase in the amount of quartz crushed for the year of 5163 tons, but a decrease in the produce of gold of 821 ozs. The average yield has diminished 22 grs. per ton. The fluctuations in the monthly yield of the quartz have been greater during the past year than in any preceding one, the lowest having been 3 dwts. 1734 grs. per ton, and the highest 10 dwts. 19 grs. A system has been adopted within the last few mouths, which it is hoped may have the effect of rendering the produce somewhat more equal, and at the same time preventing mineral being raised which does not pay the expense of the reduction process. Samples of quartz from the different workings are now regularly assayed, and such mineral as is found too poor to pay for the constantly being effected, as experience advances. The question whether the deposit of the quartz would hold as the depth of the workings increased has always been one of the highest interest to this company, and on which in past years some difference of opinion was seen to exist. It is therefore, encouraging to see it stated by Mr. Bland that neither in the company's mines, nor in those to the north of it, has the yield of

VICTORIA (LONDON) MINING COMPANY.

VICTORIA (LONDON) MINING COMPANY.

The general meeting will be held on January 29.

The report to be submitted states that at the date of the last report the amount of the company's investments was 34,291%. 8s. 3d., since which the following further investments have been made:—Purchases: Ballarat Tunnel Company, 100 shares, 450%; Hercynia, 25 shares, 75%; United Extended Ballance, 100 shares, 49%, 4s.; ditto free, 20 shares; Ballarat and Clunes Alluvial, 100 shares, 32%, 9s. 6d.; Smeaton Plains, one-tenth, 76%, 15s. 6d.; South Clunes, 105 shares, 1056%, 5s.; Lord Malmesbury, 80 shares, 438%; Prince of Wales, 20 shares, 408%, 15s. 29906%, 9s.; making a total of 37,197%, 17s. 3d. The following further calls have been paid on the above at diprevious investments:—Australasian Company, 5d.; Royal Saxon, 228%; Sog. th Clunes, 1510%, 4s.; Avoca, or New Holland, 2%, 2s.; London and Melbourne, 2376%; Corinella, 466%; Barfold Estate, 1739%, 4s. 9d.; ditto Mining, 150%; Jord Malmesbury, 510%; Pre-Emptive Right, 102%, 10s.; Glen Donald, 20%, 16s. 3d.—152%, 16s. 3d.—1

of the undertakings in which the company is interested. It appears that fow of them have during the last twelve months turned out as had been hoped and expected. In some instances a stoppage of work has occurred from want of funds, necessitating the reorganisation of the companies; and in others a larger amount of time and money has been required to develope the mines than was expected. One advantage in having a number of interests in mines is that one productive mine will compensate for several failures. Bearing this in mind, it becomes necessary that a company engaging in operations and investments of this description should treat them as a whole, and place the profits realised on the sale of shares against losses sustained in the unproductive ones. A greateal of experience has, however, been gained during the past two or three years, and the whole question of the course of the leads and working of quartz unless is now better understood, and failures, in consequence, less likely to occur. It appears, therefore, that the present time offers encouragement for persevering in the business for which the Victoria Company was organised. The profit and loss account shows that there is standing to the credit of that account 1883. 6s. Id. The directors do not recommend a dividend at the present time. The following is the state of the company's finances:—Assets; At Melbourne, balance in Union Bank, 1897. 6s. Id.; in London, at bankers, 431. 17s. 4d.; ditto on dividend account, 144. 10s.; bills receivable, 5384. 8s. 5d.; petty cash, 9l. 13s. 8d.; amount to be received on arrears, and on call due on Jan. 1, 1867, 2584. 10s.—56800. 6s. 3d.
—Debts and Liabilities: Bills payable, 41110. 6s. 9d.; due to Port Phillip Company, 50c.; trade accounts (say, 20c.; unclaimed dividends, 144. 10s., 44954, 10s. 9d.).

The last advices from Mr. Bland (dated Nov. 2) state that the London and Melbourne Company had made most satisfactory progress during the last month, was rapidly getting out of its difficulties, and blds fair in a very sho

Methodified company had made most statisticatory progress and state was rapidly getting out of its difficulties, and bids fair in a very short time to be paying dividends.

The directors state that this (the Victoria) company holds 20 (40th) shares in the London and Melbourne Company, which cost 7550%, and that it has come into a state of very decided profit. It appears that the produce of gold for the month ending Nov. 21 was about 1600%, at a cost of 650%. There would, consequently, have been a satisfactory dividend for the month but for the circumstance of the mine being in debt to the bank. This debt, it appears, has been reduced from about 5000% to below 1400%; and Mr. Bland writes, in the concluding part of his letter, that it has been decided at the last meeting of this company to make a call at ones to pay off the debt to the bank, so that the profits as made might be applied to the payment of dividends. Supposing this mine to continue yielding as it has done in the last month, this company should be receiving dividends at the rate of 400% to 500%, per month. The dividends received during the month ending Nov. 24 were—Clunes Alluvial, 260%; North Grenville, 16%; Prince of Wales, 24%, =300%.

EAST WHEAL RUSSELL MINING COMPANY.

A general meeting of shareholders was held at the offices, Austinfriars, or Thursday,—Mr. W. JARDINE in the chair.
Mr. J. H. MURCHISON (the secretary) read the notice convening the meeting, and the minutes of the last were approved.
A statement of accounts for the three months ending November showed a balance of loss of 753%. 8s. 11d. The assets exceeded the liabilities by 90% 3s. 9d.

The report of the agents was read, as follows:-

The report of the agents was read, as follows:—

Jan. 22.—After a careful examination of the mine, we beg to hand you our report thereon for the meeting appointed to be held on Thursday next, the 24th fast, showing the work accomplished during the past quarter, and the prospects in view. Homer-ham's shaft has been sunk 1 fm. 3 ft., and is now down below the 140 fm. level 13 fms. 2 ft., and a cross-cut will be commenced north for a 150 fm, level at once, for the intersection of the lodes. Homersham's Shaft: The 140 has been driven east, and east of Robert's cross-cut 20 fms. 1 ft. 6 in., the lode averaging from 4 to 5 ft. wide, composed of quartz, mundle, capel, prina, and some rich ore; and in the present end the lode is 5 ft. wide, of the same general character. There remain some 10 or 12 feat further to drive to reach the slide, on the intersection of which (looking at the course of ore following down the slide, on the intersection of which (looking at the course of ore following down the slide, on the intersection of the look of the same reneral character. There remain some 10 or 12 feat further to drive to reach the slide, on the intersection of which (looking at the course of ore following down the slide, on the intersection of the look of the look on a first of the look on an average is worth 12, per fathom. In the back of the 130 east a rise (Williams's) has been sunk and communicated with the 140 fm, level below. The look of the look, and yields saving work. The stores in back of the 130 are set on tribute at 12s. In 11. A footway is about to be put in a Fleind's winge, and as soon as finished storing will be commenced east and west thereof, where the lode is a good course of ore. the sett two lodes have been laid open, about 36 fms, apart; the most northern underlies south about 18 in. per fm., and the southern one north about 4 ft. per fathom; and, according to this inclination, they form a junction about 33 fms, in depth. The latter is 3 ft. wide, and the former 2 ft. wide, both composed of capel, quartz, prian, and some spots of rich yellow ore—kindly. A trial shaft has been put down on the morth 100 6 fms., and at the deepest point reached there are the same kindly indications. The country is also very concenial, and judging from the general appearances, we believe ore in good quantities will be met with at no great depth. We calculate to be able to sample at the usual time 100 tons of average quality ore—AMES RICHARDS, JOHN GOLDSWORTHY.

Telegram: Jan. 23: East Russell men now up; a good improvement east of side, in the 140,—J. GolDSWORTHY.

Telegram: Jan. 24: Just up from underground; a good course of ore in the 140, worth 25!, per fm.—J. RICHARDS.

The CHAIRMAN moved that the report be received and entered on

The CHAIRMAN moved that the report be received and entered on the minutes, and the accounts be passed and allowed.

The SECRETARY said that in the statement of assets and liabilities there was not included the cre sold last week, which realised about \$600'. Captain Goldsworthy stated that the lode in the 130 fathom level, east of the slide, was worth 10', to 12', per fathom, but the telegram received that morning from Capt. Richards informed them that in the 140 the slide had been cut through, and the lode was now worth 25', per fathom. They were paying 3', 10s, per fathom of reliving, and during the last three months there had been driven 21 fathoms I foot 6 inches. He further mentioned that at the time of the last meeting the lode in the 140 was not to value.

The SECRETARY read an extract from the report of the agents presented at the last meeting, to the effect that the lode in the 140, although poor, was exceedingly promising. —Mr. Michell, supposed that in the estimate of the returns for the current quarter no account was taken of any ore that might be returned from the 140 fathom level end.

Capt. GOLDSWORTHY said no account could be taken, simply because the improvement had taken place since the report was written.

Mr. Michell, said if the lode in the 140 continued of the same value as at present it would by the next meeting turn out about 5000', worth of ore.

Capt. GOLDSWORTHY further stated that the slide had been more perpendicular in the end than was anticipated, there having been not more than 4 feet, while 12 feet were calculated upon. The ground remained as easy east of the slide as it had hitherto been.

The Oldraman for the receiving the report, ordering it to be entered on the minutes, and passing and allowing the accounts, was put, and carried.

The CHARMAN, referring to the question of call, stated that the committee, after due considerable quantity of ore during the next three months, which had not been included in the estimate of the agents, he considered a call of 2s. 6d. per share woul

ther east.
id that as there was a valuable course of ore, worth from

m. In the adjoining mine, upon the same lode, and at a tance from the present point of operation in East Russell, to say where the best part of the lode would be found, share was made, and a resolution was passed convening a b. 21, for the purpose of forfeiting all shares upon which

n arrear. e for their attention to the com

any's affairs during the past three months.

A similar compliment to the Chairman terminated the procedings.

CROSIER VALLEY AND PORT MADOC FREEHOLD SLATE COMPANY.

A general meeting of shareholders in this company (now winding-o voluntarily) was held at the company's offices, Moorgate-street, a Thursday,—Sir Edwin Pearson in the chair. on Thursday,

on Thursday,—Sir Edwin Pearson in the meeting, and the minutes of the last were read and confirmed.

The liquidators' report stated that the realisation and distribution of the remaining assets had been delayed by the stoppage of the European Bank, having locked up 70%, of the company's funds on deposit; on this a dividend of 2s. 4d. in 1L was received in Oct. last. The company's plant at the quarries realised 6il. 2s. nett at auction. The mineral rights and buildings erected on the works have not been sold. It is hoped the cost of the action of ejectment against the Slate Mountain Company will be reimbursed. Mr. C. E. Spooner has inspected the company's property, and his report is such as "will satisfy the shareholders that it is useless to expend any more money upon the quarries." The liquidators, however, recommend, on Mr. Spooner's authority, three quarries in Germany, on a projected and sanctioned branch of the Berz and Mark Railway, which require 20,000?, capital—the purchase money being 2000?., of which 5000?, which require 20,000?, capital—the purchase money being 2000?., of which 5000?.

re, suggests the quarries should be independently inspected.

The CHAIRMAN said that he need not detain the shareholders with any remarks on the liquidators' report, copies of which had been cir-

culated amongst the shareholders. The sum of money dealt with was very small, and had been divided amongst the shareholders. There was still the balance due from the liquidation of the European Bank, which would be divided as soon as received. There was another item in the accounts which might require some explanation—the costs in the proceedings against the Slate Mountain Company, which he (the Chairmau) had no doubt would be recovered. The plant on the quarry had been sold, and realised a very small amount, and there now remained the mineral rights, which were only of a speculative value, and therefore, at the present time, very difficult of sale.

Mr. WALLIS (one of the liquidators), in reply to a shareholder, stated that one dividend had been declared. That, in company with Mr. Spooner and the secretary, he had carefully examined the quarry, and did not believe that any good could be derived from any further working. It must, however, be remembered that the freehold mineral rights belonged to the shareholders.

The report was then received and adopted.

The CHAIRMAN then drew the attention of the shareholders present to the proposal to work certain slate quarries in Gormany, and Mr. Spooner laid before the shareholders plans and papers of the property, and his report states that "The CHAIRMAN then drew the attention of the shareholders present to the proposal to work certain slate quarries in Gormany, and Mr. Spooner laid before the shareholders plans and papers of the property, and his report states that "The quarries have been worked with a small number of men for the last three or four years, and a considerable quantity of slates made. There is a large space of land attached for deposit of spoil and erection of mill buildings, cottages, workshops, &c. There are two quarry works upon a small scale on two different velus, one on the open plan and one underground; but the fact is, the owners are limited as to capital, and not in a position to work these velna except in a very small way, and have now no more

iermany."
In reply to a shareholder, Mr. WALLIS said that he would not propose any amalamation of the German properties with the Crolser Valley Company; it must be ompletely wound-up, and the German quarries worked as a distinct company.

A vote of thanks to the Chairman termicated the proceedings.

Ronal School of Mines.

MR. WARINGTON SMYTH'S LECTURES ON MINING.

LECTURE XXIV .- The lecturer commenced by saying that he in-LECTURE XXIV.—The lecturer commenced by saying that he intended now to bring before them, as a necessary preliminary to dealing with deep mines, the modes for gaining access to them, and the descent and ascent to and from the workings. In the first place, mines of a small depth are worked by a downeast, made in a succession of stopes or steps, almost like the ordinary plan adopted in a cutting for a railway. In Derbyshire many of the iron mines are so arranged, and a few steps suffice to get down to the work and back. Again, there was another plan, no doubt derived from that, in which steps are cut in the rocky floor of the veln, sometimes throughout the plane of the hole itself or the conterminous rock; and there is a convenience in this plan when it is desirable to introduce horse-power, as the steps can be made sufficiently broad, and of a moderate sion of stopes or steps, almost like the orunary pinn accepted to a citting for a ratinay. In Derhyshire many of the jurn inter are so arranged, other plan, no doubt derived from that, in which step, are cut in the neck ploor of the vein, sometimes throughout the plane of the held neck of or the revien, sometimes throughout the plane of the held neck of or the revien, sometimes through the taken up and down. This is a common practice in the Mostyn Mines, in Flintshire, in some lead mines in Great Britain, and in the Beaumont Mines are in which has tell to modifications of the plan in the salt mines of the Alps, where the steps are cut with slopes between at an angle of 32°. This may not agree are well-and the common through the steps are cut with slopes between at an angle of 32°. This she must come in which has the tense are the step of the step

mium was offered in this country by the Polytechnic Institution of Falme for the discovery of some unobjectionable means of lowering and raising miners, and schemes on exactly the same principles were simultaneously deep by Mr. Oppenheim and Mr. Lewis. In 1840 the new plan was adopted in Great Tresavean and United Mines. Watching the action of the pumpings, the two observers conceived the idea that by making a foot-hold on the red miner would be drawn up as much as the length of the stroke at each significant with the could step of on to a platform, and then on to the red on the red which would just have completed the down stroke, and would be ready to ase, which would just have completed the down stroke, and would be ready to ase, at first it was intended that only a few men should ride in this manner cap pumping-rod. The shaft being all open and unprotected, it required a good at the contract of
Ligerung XXV.—They that so far cleared the way in the fe, also lectures of preliminary subjects, that they now might take notice when the author working of mines, with special reference to the mode are which they ought to be commenced and carried on, according to state of the commenced and carried on, according to state of the commenced and carried on, according to state of the commenced and carried on, according to state of the commenced and carried on, according to state of the commenced and were called deal work, and were ristoned to assume. If they carried shafts and horizontal nevels, drifts, or galleries. These levels opened the as and were called deal work, and were ristoned to the state of the commenced into which affects these horizontal exceptations. As these have to be commenced into which affects these horizontal exceptations. As these have to be cause as a district inter-sected with deep valley, commence at once in the voin by drastification of the commenced means of the commenced means of the commenced means of the carried with the commenced means of the commenced means of the carried with the carrie

Fron and tin things Metal 1 uiter d The examinate in diministration of the effect many rapproartising rising rising rising whorous yielded ore groons one thorous pieces as just a the formatic have a the 70, impress the results of t

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N. 26, 1867.

the great county adit is a remarkable work of this kind. It takes the the districts east of Redruth, running no less a length than thirty or and draining a great number of thines. More remarkable still is George adit at Chausthal, in the Harz, which reaches a depth of use, and unwaters the mines to that enormous depth. This adit is or our King George, and was semarkable for the rapidity and skill be our King George, and was commenced in 1799. A number of shafts, and levels delven, right and left, from the bottom of each till they at at thirty different-plots the work was pushed on by independent on. Another famous work of this kind was carried out at Shemnitz, ry, in which 1630 fathoms were driven without the advantage of an The tunnel of Mont Cenis is a work in which similar conditions exist beenes of air-shafts, but the difficulty is surmounted by driving pable, so that one acts as the down draught, and the other as the upcastry, and thus a sufficient ventilation is established. [These different bill exhibit is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman, Melhis kind is just now being carried out by a private gentleman of the melhis kind is just now being carried out by a private gentleman of the melhis kind is just now being

[ADVERTISEMENTS.]

in order to inwater his mines in Cumberland. The work, which has under the direction of Sir W. Armstrong in a most superjor manner, is easy of a visit from all students of this branch of engineering.

[ADVERTISEMENTS.]

IMP. JANES CROPTS:—PRINCE OF WALES, whether for speciar investment, can time to be one of the most prominent mines on the A valued has sent the writer the following account of it:—"Prince of seasy and the sent the writer the following account of it:—"Prince of seasy will to make a mine. If I specialised at all in shares, which it do it should keep an eye on them, as they will take an account of it:—"Prince of seasy will be determined to the content of the c

is all to it. Slight arithmetic will settle this question by those who are disposed to attach to it the importance it deserves as a corollary to their decisions on the holes of mining properties, as either investments or speculations, or both.

From Mr. Edward Cooke:—The market has been exceedingly setire during the week, and a very large amount of business done in several runes which have been prominently before the public for some time past. The dayance in the price of West Chiverton, Drake Walls, North Crofty, Prince of exales, Retallack, &c., has been considerable. The prospects of the mining increase may be considered to be more favourable than for a verylong period. The extending the more favourable than for a verylong period. The increase may be considered to be more favourable than for a verylong period. The increase may be considered to be more favourable than for a verylong period. The increase may be considered to be more favourable than for a verylong period. The increase may be considered to be more favourable than for a verylong period. The increase may be considered to be more favourable than for a verylong period. The increase may be considered to be more favourable than for a verylong period. The increase may be considered to the major than the favourable than for a verylong period. The increase may be considered to the major than the favourable than for result in large profits. Onto these vermines that if bought were almost certain to result in large profits. Onto these vermines that if bought were almost certain to result in large profits. Onto these vermines are the constant of the major than the major than the favourable than for the major than the favourable than for the more favourable to the property. It is unquestionably a rich tin mine, and with a good lividend in prospect at the next meeting, the sharcholders will probably head and an extending the hindrane in the meeting the sharcholders will probably head and the property of the property of the property. It is unquestionably a rich

com Mr. George Budge:—For shareholders in the copper, lead, did mines of this country the New Year has opened with a promise of better a than the disasters for which 1866 will be for ever memorable. The Harkets have for some months been in a state of inactivity, owing to the dislocation of trade arrangements, consequent on the commercial panic acceptional lowness of ruling prices necessarily affected the value of the raw risl, and holders of shares in metalliferous mines have felt the result in ashed dividends, and in the depreclated market value of their securities, up, however, with such staple articles of consumption as copper, lead, and rebound in value was only a question of time. It has come at last, and feet is apparent in the rise which has taken place in the market prices of mines, as well as in an increased demand for shares in properties nearly sairing a dividend state. Few better examples can be adduced of what a mine should be than Grear North Dowss. This mine is situated in corrier and Gwennap districts, and the shaftshiking in a run of ore ground mighly well known to every Cornish miner. Great North Downs has already alarge profits from a former working on the first or overlying series of round, and the present company are sinking in the underlying series, which, and the present company are sinking in the underlying series, which, and were needed, Clifford Amalgamated might be cited as a brilliant exament there is no necessity to go beyond the mine itself for evidence of its invariant there is no necessity to go beyond the mine itself for evidence of its invariant in the water is increasing, which is a good sign, and it is so strongly imagnated with copper that the agents have determined to resort to the prom Mr. GEORGE BUDGE:—For shareholders in the copper, lead,

cess of precipitation. Every point in the mine presents a highly satisfactory appearance, and it is warthy of mention that the excellent tinstuff is being broken in the bottom of the 7s. 49 fms, cast of Sleggan's shaft. In the present of this mader aking everything has been done which ample capital and executive skill could furnish. The whole of the machinery and surface works are of the best possible character, and investors on the look out for sound undertakings shall enter the force of the machinery and surface works are of the best possible character, and investors on the look out for sound undertakings should secure an interest in Great North Downs at the present low quotation. A very promising mine for an early rise in value is EAST ROSE. WAINER. The ore ground, on which operations are being conducted, is looking well. The contexprise has a good reputation, and the shares are certainly worth buying at the problem difficult of solution. It is one of the richest lead mines in the world. Minera his been a most satisfactory investment to its proprietors. The mine is not obtruded upon public attention, and, consequently, is little known outside the circle of professional miners; but to any person in quest of good dividend-paying investment a few shares in Minera, at anything like the quoted price, would amply repar the trouble expended on their acquisition. Wheat Kitty (8t. Agnes) is a fair illustration of the effect produced on the market prices of mining properties by the advances in the price of metals. Notwithstanding the fact that Wheal Kitty is a dividend mine, and did not cease to yield profits during the entire period of depression in the metal market, the market value of the shares dwindled down to 25s. Since the advance in the price of the shares dwindled down to 25s. Since the advance in the price of the hone of the effect has buyers now will not only be entitled to the dividend which is expected to be declared next month, but will also have forestabled to a moral certainty, a further substantial ri

From Mr. JOHN B. REYNOLDS, of Bishopsgate-street Within:

stailed, to a moral certainty, a further substantial rise in market value at an early date, may not be without its offect in determining a few purchases in this well-known enterprise without delay.

From Mr. JOHN B. REYNOLDS, of Bishopsgate-street Within:—As time advances Mining, as an investment, continues to increase in public favour. This is extremely graifying, considering the very trying time through which we have passed during the last two year, much better, thus giving additional impetus to the good feeling existing. One of the mines which has lately had a very great rise in market value is Coor's KITCHEN. The property is said to be looking very well indeed, and a greater advance is expected in the price of the stock. It appears to me that the merits of STRAY PARK are much overlooked. The shares are exceedingly low, and any improvement of importance, which one would judge must some, would cause a rise of 490 or 500 per cent, on present price. I hope to have the pleasure of writing fully next week.—N.B. I have just been informed that in the 100 cast, at NORTH DOLOOATH, they have stones of ore

From Messrs. WARD and JACKMAN:—Did any of our clients ever travel from London to Cornwall in January, with the thermometer below 30? because if not, our advice is—"Do not." The scenery of that county is romantic at the best of times, but under the circumstances we mention considerably more so. We are not writing this on the top of Carn Brea Hill, where tourists are wont to date their effusions from, although 68 mines may be seen from that continees, but before a comfortable fire at that all mines during the past few days, and the result of our enquiries we now subjoin. Notith Roskear: This mine is now drained to the 230, where the lode is very large, and its composition very favourable for the production of in and copper; in fact, the prospects are altogether more cheering. Wheat SETON: The next sale will be about 776 tons; and although this is less in quantity, in consequence of the inclemency of the weather, than

able to the investor.

From Mr. Edward Brewis:—Business has been good in the Mining Market during the past week, the dealings in Prince of Walks ranging from 30s, on Monday, to 40s., highest price, on Thursday last. North Crofty Shares have been up to 64, and, comparing this price with last July, when shares were selling at 5s., it appears that the enormous advance of 2000 per cent. has taken place. East Wheal Seton, possessing splendid prospects, either for investment or speculation, should not be overlooked. A few years ago it belonged to North Crofty sett, and the position is all that can be desired. North Crofty adjoins it to the south, and Wheal Seton to the west, which shares are selling for 115t. each. It possesses lodes that have produced enormous quantities of copper ore, and the shares are only selling for a few shillings, and would seem decidedly the best mine to buy into at present. SOUTH CONDURROW, 34 to 34, is also worth attention. CHUYERTON, 9 to 9½. West CHIVERTON, 64 to 66, or an advance of 10t. per share within three weeks.

MINING NOTABILIA. [EXTRACTS FROM OUR CORRESPONDENCE.]

GREAT WHEAL VOR.—At Wheal Metal another branch, underlying

GREAT WHEAL VOR.—At Wheal Metal another branch, underlying north, has been cut at the 204 fm. level cross-cut south. The new copper lode is enlarged. The 194 west is improved.

EAST PROVIDENCE.—This mine is turning out most satisfactorily, after so long a perseverance, and is likely soon to be in the Dividend List. The productive lodes in Providence are all running through this sett, and some of them are at no great distance from the boundary. All that is required is a little more depth. The last sale was over 4½ tons of the for the month, and a larger saie is expected next month. The Carbona is opening out wider, and tin coming into the 82 cast.

NOUTH CEARWY.

NORTH CROFTY is opening out one of the richest mines in Corn-

NORTH CROFTY is opening out one of the richest mines in Cornwall: It is being wisely and judiciously worked. Additional stamp-heads are being erected, and when this is done it is said that the present returns will be nearly doubled; this, with a better price for tin, would give splendid profits.

DRAKE WALLS.—This mine is now attracting great attention, partly from the fact that it has great reserves of tin, of a rich quality, and also that the rich copper lode of the Prince of Wales Mine runs into Drake Walls. The cutting of the Prince of Wales lode rich in the 55 fm. level must increase the prospective value of Drake Walls.

PROSPER United.—Previous to the recent improvement in these PROSPER UNITED.—Frevious to the recent improvement in these extensive mines, 2398 shares were relinquished out of 600. Since the improvements the arrears, together with a fine, have been paid on the whole, with the exception of some 25 shares. This will put the mine in a good financial position, rendering it free from debt. A profit of 500t, per month is being made, and at the meeting to be held next month a dividend of 5s, per share will be declared. The mine is well supplied with machinery, and, as the returns are now over 400 tons of copper will materially increase the profits. A moderate rise would increase the profits from 500t, to 1000t, per month.

FURZE HILL WOOD.—The shareholders, awakened from their le-thargy, have wisely resolved not to be caught in the trap so cleverly set, but to continue the works, and in such a manner that great results are expected at no

great length of time.

BRYN GWIOG.—This mine has greatly improved, and still carries over a credit balance, although no call has been made for nearly three years, whilst the levels have been extended, and considerable reserves of ore have been laid open. The returns may now be increased, and very good profits are expected to be made in the current year. The price of shares has taken a start from 101. to 204., and may be doubled again any day.

from 10l. to 20l., and may be doubled again any day.

MINING IN IRELAND.—Assay of copper gossan from the back of a lode in the county of Mayo, taken from a sample of stuff obtained 4 ft. from surface, on the sea beach of a mountain rising 2750 feet, the lode 8 feet wide:—No. 1, 6% per cent. copper; No. 2, 6 per cent. copper; So. 2s. sliver per ton; the copper contained in the samples was worth 5s. extra for sliver. This is another corroborative proof of the richness of Ireland's copper produce. The assay was made by Messrs. Bath and Sons, of Swansea, to whom the copper ore will be

nsigned for sale.

DRAKE WALLS, AND WEST DRAKE WALLS.—When at intervals, DRAKE WALLS, AND WEST DRAKE WALLS.—When at intervals, few and far between, such splendid discoveries are made as that now developing at Prince of Wales, people naturally begin to look around, to ascertain what properties contain the run of the lodes so discovered. It is a most important fact to know that the Drake Walls and West Drake Walls setts contain the run of these rich lodes direct from the Prince of Wales sett for 1000 fathoms, or over one mile in length. These lodes would, of course, not have been left idle had their great value been dreamt of. It seems that all holders of Drake Walls stock will be entitled to an allotment of stock in West Drake Walls, share for share; and this fact must, of course, greatly add to the value of Drake Walls. The Prince of Wales lodes can be interested by cross-cuts from the present levels in Drake Walls at about 50 fms. distance, in new and most interesting ground, and

under advantageous circumstances as regards cost, &c., which a miner will readily appreciate. This fine discovery will give a fresh impetus to mining. SOUTH HERODSFOOT.—The engine-shaft is down to the 85 fm. level, and driving to inter-sect the lode has been commenced. The stratum is a beautiful blue killas, and it is expected the lode will be met with in about 4 fathoms driving. The agent is very sanguine of meeting with a productive lode. Shares should be looked after, for, if lead he met with, they will have a great rise. PROSPER UNITED.—These mines continue to progress most favourably, and there is little doubt but that they will prove this by results in a more marked manner than in the case of any other mine in Cornwall during the current year.

Great Retallack.—Since the mine meeting the lode in the adit

current year.

GREAT RETALLACK.—Since the mine meeting the lode in the adit level north and south has very much improved in size and appearance, being the bigness of the level in each end. The lode in the stope in back of the level has also much improved, being worth 15 cwts. of lead per fun.

PRINCE OF WALES.—As the development of this property progresses the most favourable results are being realised. The course of ore gone over in the 45 fm. level, cast and west of the shaft, is worth from 201, to 351, per fathom, the end at present being worth 201, to 251, per fm. The 45 fathom level west is at present worth 61, to 81, per fm., with every prospect of improvement. The stope in the back of the 45 fm. level cast are worth 291, to 251, per fm., and a winze will shortly be sunk below the 45 fm, level cast in a lode worth something like 40, to 451, per fathom. During the week the lode has been cut at the 65 fm, level of ft, wide, worth, so far as seen, about 451, to 550, per fm. It should be remembered that in the 45 fm, level cast, when driving was commenced from the cross-cut, the lode gradually improved. The 55 fm, level is considerably richer than in the level above at the point wdere driving was commenced castward. An inspecting agent says—I should not be at all surprised if the lode in a short distance becomes worth 1001, per fm...

A company has been formed for the purpose of working an extensive piece of mineral ground adjoining the Great Retallack Mine. The sett is fully ½ mile in length north and south on the course of the lodes, and 34 mile cast and west. The two lead lodes lately discovered in Great Retallack Mine are running directly into the ground where they will form a junction, and at which point it is not improbable an important discovery will be made. In addition to these lodes there is another lode, to the west of which a large quantity of sliver ore has been raised. An adit level can be brought up at a small expense to prove the lodes nearly 25 fms. from surface. The mine, which is called NOR

etallack Mine.

DRAKE WALLS.—Shareholders in this mine should not lose sight
the fact that the lodes in the Prince of Wales Mine pass through their proerry, and that they have been already discovered at surface, where they prent most favourable indications.

EAST WHEAL LOYELL.—The advance in the price of tin is of con-

EAST WHEAL LOVELL.—The advance in the price of this of considerable benefit to all tin mines, but particularly this mine, selling, as it does, considerable quantities of that metal. It is opening out extremely well, especially on the south lode below the 40. The western end of the shaft has much improved; indeed, the position and prospects of the mine are such as to induce the agent to state in this week's report that he has never seen the mine look so valuable. In his previous report (a fortnight since) he valued the different points of operation at 2007, per fm.

SPECIAL REPORTS OF PROSPER UNITED MINES AND GREAT NORTH DOWNS

SPECIAL REPORTS OF PROSPER UNITED MINES AND GREAT NORTH DOWNS.

BY CAPT. JOHN JAMES.

PROSPER UNITED.—Camborne, Jan. 24: There are three engineshafts in this mine. The cast, or Hosking's, is sunk to the 80, but has not been sunk for some considerable time past. The 89 is driving east of this shaft in a lode 1 ft. wide, worth for tin and copper 10t, per fathom. The 60, east of shaft, has been driven for some time by the side of the lode, which is now being opened on, and producing good stones of ore. These levels are opening a quantity of tin ground that will pay to work at an advanced price for tin. They are also approaching a large flookan course, and when reached it is intended to drive south on it, to cut what is called Hosking's lode, which has been worked as deep as the 20. It is probable from the very extensive old workings that thre is a good run of ore ground below the 50, there being a long sink full of water in the bottom of the level, which will be drained when the lode is intersected below. Louisa's, or middle engine-shaft, is sunk to the 90, and suspended, with but little doing near it. Hand's, or western engine-shaft, told fins. west with but little doing near it. Hand's, or western engine-shaft, told fins. west in the 50, driving west of this shaft, the lode is very large, winding to improve. In the 90, driving west of this shaft, the lode is very large, winding to improve. In the 90, driving west of this shaft, the lode is very large winding to disperse the solid proper ore ground below the 80. The lode in the 80 end, west of Hand's snaft, is worth about 61, per fathom for tin. There is a winze in the bottom of this level, 10 fms. behind the end, and 5 fms. in advance of the 90, a luttle beyond this point, and an improvement may be expected shortly. In the 60 end, west of Hand's shaft, and about 15 fms. west of cross-cut to the new shaft, the lode is 20 in. wide, producing 100 of ore per fathom. The new shaft is sunk below the 50 fm, level 5 fms. perpendicular between two lodes, and is now in co

with energy, and there are several speculative points of operation which will probably lead to good discoveries. The average produce of Prosper United ore is 6 per cent.

GREAT NORTH DOWNS.—Camborne, Jan. 24: Sleggan's, or engine-shaft, is sunk 9 fms. below the 70; in this shaft there is a splendid-looking lode, very large. The ore part contains good work for tile. King's shaft is down to the 86, there is a little water and stuff in the bottom, but from what can be seen in the ends of the shaft there is a kindly orey lode, with a prospect of improvement. The 86 is driven west of King's shaft about 7 fms.; there is a los some water and stuff in this end. I was, however, in it, and find there is a good looking lode, producing copper ore; when a little has been done in it its value will be more particularly ascertained, but I thigh it is worth 10/t to 12/t. per fathom. The water will, no doubt, leave this entirely in a day or two. No. I winze, between Sleggan's and King's shafts, is sunk 7 fms. below the 70 fm level; lode greatly improved in the last day or two, now worth 10/t. per fathom. No. 2 winze, below the 70, west of Sleggan's shaft, is down 7 fms.; lode large, and worth 15/t. per fathom. No. 3 winze, further west, below the same level, is down 6 feet, worth 12/t. per fathom. In the 70 end, driving west of Sleggan's shaft, is large portion of Sleggan's lode, the 70 is being driven towards Butler's shaft, in a lode 2½ ft. wide, producing stones of ore. The water flowing from this end contains a large portion of copper in solution, which is a strong indication of a large course of ore not far distant; I consider this an important point. Butler's shaft is shaft. The shaft is sunk on the north part to the 60, and there is a promising lode in the 80 en away to this depth; below this it is 'in two parts, and seems to form what is termed the North and Sleggan's lodes, about this shaft. The shaft is sunk on the north part to the 60, and there is a promising lode in the 80 en and 10 en orth part to the 60, and there enable the different points "eferred to to be carried on with vigour, and looking at the great length of ore ground in the bottom of the 70 (upwards of 100 fms.), together with the rich quality of the ore (that in Sleggan's shaft producing 9 per cent. of copper), I consider this mine to be a speculation of no ordinary character. In fact, there is every probability that a short time will suffice to open up a good and profitable mine. The engine and pitwork at Sleggan's shaft seem of ample power to go a great depth, and there is a large pumping-engine, steam-whim, and valuable pitwork in the western mine which is not required.

Diet,—On January 6, at his residence, Mount Hawke, St. Agnes, Die 7.—On January 6, at his residence, Mount Hawke, St. Agnes, Cornwall, aged 50, Capt, John Tonkin, late of Chacewater. Capt. Tonkin was well known in the mining world, by his connection with the gold mines of Brazil, the malachite mines of Loando, West Africa, as well as by his extensive experience in home mining pursuits, his last engagement being as chief agent of the Wheal Ellen United Mines, in which undertaking he was also a large adventurer. Capt. Tonkin's opinion was much valued and acted on, his anticipations having generally been realised when carried ont with integrity. His social habits and kind disposition endeared him to a numerous circle of acquaintances, embracing every grade of society. He died respected where er he was known, and has left a name his family may well deem a solace in their irreparable loss. His funeral was attended by a large assemblage.

His funeral was attended by a large assemblage.

HoLloWAY'S PILLS—STRONG AND HEARTY.—Every wise man alms at attaining health at any price, but, unfortunately, rarely thinks about it till it is going, or gone. Holloway's pills now stand so high in public estimation for purifying the blood, promoting the appetite and digestion, that it is unnecessary to do more than name them as the surest and safest means of retaining or regaining robust health and corresponding strength. They act as purifiers, tonics, alteratives, and aperients, and they exercise over every organ the most wholesome influence, by supplying it with the purest blood, and regulating the quality and quantity of every secretion. The most timid and delicate invalid will derive from Holloway's pills vigour and comfort.

Mining Correspondence.

BRITISH MINES.

BRITISH MINES.

BALLACORKISH (Isle of Map).—M. Grose, Jan. 17; The lode in the south end at the 24 is about the same as last reported. The branch of ore is still with us, but at present it does not appear to rise up in the end. I consider, however, the indications very satisfactory, and as showing what we may reasonably look forward to hereafter. The lode in the north end is looking most promising, and there is every indication, short of the actual thing, that can be desired; it is yielding stones of ore occasionally, but not to value. The shaftmen have finished the plat, and they are now busy sinking. The weather here is still very severe, and there is, therefore, little or nothing doing at surface.

BEDOL-AUB.—H. R. Harvey, Jan. 23: The shaft is progressing favourably. We do not get any trouble with the water now. The lode is large, but poor. There is no alteration in Jones's pitch; the ground is stiff. Williams's pitch is yielding 15 cwts, of lead ore per fathom. Other parts without alteration.

BOSWORTHEN PENZANCE CONSOLS.—R. Pryor, F. Hosking, Jan. 24: Jones's shaft is down over 12 fathoms from surface, and we have holed it to the rise; the sinking of this shaft will be completed to the shallow adit level in about three weeks from this time.—Bosworthen Lode: The lode in the shallow adit level, west of Jones's shaft, is 4 feet wide, of much the same character and value as when last reported on—a fine-looking lode. The lode in the adit level, west of Harvey's shaft, is 2 feet wide, producing saving work for tin.—Cambrean Lode: The men that were driving the adit level north on this lode are now engaged in repairing the flat-rods at the north shaft, in order to drain the water, the end being now under the old workings; this will be completed, and the shaft at the old workings holed to this level in the course of a few days, after which not time will be lost in fixing the flat-rods on Jones's shaft, in order to drain the water, the end being now under the old workings; this will be completed, and the shaft at t

all possible speed below the same. We are getting on as fast as possible with the putting up of the round buddles, and laying out the tin-floors, but the weather has been against us. Kemp, Jan. 23: We have commenced sinking the new shaft under the 52 in favourable ground. The winze under the 52 is worth 3 tons per cubic fathom. The stopes in back of the 52 are worth 18 cwts, of lead ore per fathom. Our dressing department has been at a standstill for the last nine days, but we have a change of weather since yesterday, and are in full work again. BRYN GWYN.—H. Nottingham, Jan. 22: We have driven about 4 fins, south on the joint discovered by the cross-cut in the south-western workings, from the middle of the incline, and it continues as wide as the level, and full of soft ground, of a congenial character for lead, so I have stopped the driving, and put the men to cut up the stope of ground mentioned in my last, lying between the rise and this joint, which will take about a fortnight for completion. The drift in back of Clark's level has become hard and unproductive, so that I have stopped it, and put the men to try a narrow joint on the east side of Clark's level, where there is a little lead and spar, which promises to yield some ore if the joint will open out wider. The level driving south from sump, on the south side of the top of the incline, east of shaft, is without any material change, the ground being easy for progress, and of a lead-bearing character. The tributers in Field's levels have been getting some good over this week, but the bottom of the sump they are sinking is not so productive at present.

CAPE CORNWALL—R. Pryor, R. P. Goldsworthy, Jan. 23: The lode in the 90 end east is large and promising, producing occasional stones of tin; the composition of the lode is good; we are extending this level with all possible speed towards the junction, and hope to meet with a good paying lode in the granite. We have not taken down the lide in the 70 dnd west this week; the channel of ground is highly minera

dic, and yellow expects; we will pash on this operations as fast as possible. The late severe frost caused a little delay in the operations, but by very great care and attention in creaking the ice off the wheel, it has not proved to be of serious care and attention in creaking the ice off the wheel, it has not proved to be of serious care and attention in creaking the ice off the wheel, it has not proved to be of serious care and attention in creating the ice off the wheel, it has not proved to be of serious care and the serious care and the serious care and care to the small cross-course west; the lode close by it is of a similar character to that last reported—cossany. In the 60 west, on Clymo's lode, there is nothing settled or defined about the Jope's lode. The ground in the rise above the 34 continues good.

CLARA UNITED.—J. Davies, Jan. 23: During the last fortnight but very little has been done on surface, and for the last week the men in the stopes above the 50 have been employed in stoping a piece of ground in back of the 40; value, 10 cwts, of lead ore per fm. A change of weather having taken place, our wheel is going again, and Lexpect we shall be in full work in a few days.

10 cwts, of lead ore per fm. A change of weather having taken place, our wheel is going again, and Lexpect we shall be in full work in a few days.

11. The colors is ITOHEN.—It bromas, C. Thomas, Individual part of the lode; sinking the series of the series of the lode of the vice is unit to the color of the vice in a color of the lode, which produces a little tin. The part on which the 270 is being driven is standing to the south. We expect to hole this winze to the 270 in about a month. About 16 fms. east of regime-shaft; the lode is worth 181, per fathom. The 24s is driven else and four have a produces a little win.

10. per fathom.—The 24s is driven when we have a fine produces a little worth approaches chapped so the indepth and on the work of the south of color which and other works. The work is a present to the short of

DARREN.-R. Williams, Jan. 23: We have taken down the lode in the 25 DARREN.—R. Williams, Jan. 23: We have taken down the lode in the 2 west, and although it does not appear so good as we hoped to see it, it is, not withstanding, a very strong and promising lode, producing some very excellen stones of ore; from the south wall to as far north as we have opened out it about 7 ft., and in this there are three branches producing ore throughout, bu in the lower part of the end they do not produce enough to make them valuable further than as showing them to be leaders, and they all improve as we get west I have not the slightest doubt that in a little further driving we shall have very good lode. There is a favourable change in the weather, and we shall now go on with dressing the tributers' ore.

with dressing the tributers' ore. ON AND CORNWALL.—T. Nelli, Jan. 22: George and Charloste: Ir DEVON AND CORNWALL.—T. Nelll, Jan. 22: George and Charloste: In the 24 cross-cut we have cut into the lode about 5 feet; it is composed of capel and mundic; I am not yet satisfied we have cut the north wall.—William and Mary: In the 46 fm. level, east of the whim-shaft, we are driving by the side of the lode. We have communicated the winze in the bottom of the 34 with the rise in the back of the 46, which is a good piece of ore ground for stoping. The lode in the eastern winze in the bottom of the 34 feet wide, worth 7 tons of ore per fathom. One stope in the back is worth 4 tons. The lode in the 34 fm.

rise in the back of the 46, which is a good piece of ore ground for stoping. The lode in the eastern winze in the bottom of the 34 is 4 feet wide, worth 7 tons of ore per fathom. One stope in the back is worth 4 tons. The lode in the 34 fm. level, west of engine-shaft, is producing good stones of ore. We are sinking a winze in the bottom of this level; the lode is worth 7 tons of ore per fathom. The lode in the 22 west is looking very promising, and producing stones of ore. I hope soon see a change in the weather, as but little can be done at surface. EAGLEBROOK.—H. Tyack, Jan. 19: We are again hindered from working underground in consequence of the severe frost. Our pumping-wheel got frozen fast on Monday last. Nothing has been done in our underground departments since my report of Jan. 12.

EAST CARN BREA.—I. Richards, Jan. 24: The cutting of the tip-plat in the 90, at Thomas's engine-shaft, is completed; sinking below this level will, therefore, be commenced at once.—Thomas's engine-shaft—No. 3 Lode: The lode in the 80 east is 15 in, wide, and worth 1 ton of copper ore per fathom. The 80 west the suspended, to admit of a rise being put in the back thereof. In the rise (Job's) in the back of the 80 west the lode is 1½ ft. wide, and worth 2 tons of copper ore per fathom. The lode in Morcomb's rise, in the back of the 60 east, is small and poor. The lode in the 60 east is 10 in, wide, worth 3 tons of copper ore per fathom, The lode in Morcomb's rise, in the back of the 65 east, is small and poor. The lode in the 69 east is unproductive.—Buckley's Shaft: In the 69 west, on No. 5 lode, the lode is 1 ft. wide, producing some saving work for copper ore.—No. 6 Lode: In the 69 east is unproductive.—Buckley's Shaft: In the 60 east, is 2 feet wide, and worth 2 tons of copper ore per fathom, and a little copper ore. The lode in the 60 east is 15 in, wide, producing saving work for copper ore.—The lode in the 60 east is 15 in, wide, producing saving work for copper ore. The lode in the 60 east is 16 in, wide, and worth 2

Inde is 1 ft. wide, worth 6t. per fm. In the 95, west of King's shaft, the lode is 1 ft. wide, worth 8t. per fm. In the 85, west of shaft, the lode is 15 in. wide, producing stones of ore. The 43, cast of King's, on engine lode, is much as last reported. The same remark applies to the 43, cast of Hailett's shaft. The rise over the slide, in the back of the 85, is worth 10t, per fm. The stopes throughout the mine are much as reported last week.

EAST PROVIDENCE,—J. Nancarrow, Wm. White, Jan. 24: The sumpmen are making fair progress in enting the plat at the 9t. The lode in the 82 cast looks better, is now 1 ft. wide, yields tin to save, and is likely to improve. The lode in the 70 cast is disordered by a crossing. The lode in the 50 cast is worth 4t. per fm., and increasing in size. The carbona between the 70 and 82 is greatly improved; it is now 4ft, wide, and worth 20t, per fm.; it is getting larger as we open on it, and is consequently becoming more valuable. The other pitches look just as usual. Our prospects are better than at any former period.

EAST SNAEFE14...—W. H. Rowe, Jan. 22: We are cutting out some ground, in the sole of the adit, to allow the water to run off more readily, and find good joints of lead setting down. Space for roll is also cut, and I hope to get underway sluking the shaft in a few days. Larranged to-day to drive the adit south. EAST 87I, JUST.—R. Pryor, R. Wearne, W. White, Jan. 23: Saveall's Lode: The lode in the 62, driving east of cross-cut, is worth 4t, per fm...—Ow! Lode: The lode in the 92, driving east of cross-cut, is worth 4t, per fm.—Ow! Lode: The lode in the 92, driving east of cross-cut, is worth 4t, per fm.—Ow! Lode: The lode in the 92, driving east of cross-cut, is worth 4t, per fm.—Ow! Lode: The lode in the 92, driving east of cross-cut, is worth 4t, per fm.—Ow! Lode: The lode in the 92, driving east of cross-cut, is worth 4t, per fm.—Ow! Lode: The lode in the 92, driving east of cross-cut, is worth 4t, per fm.—Ow! Lode: The lode in the 92, driving east of cross-cut,

magnificent fode. We are raising thi last, and I may be all the 140, east of Homerstam's shaft, a great change for the better has taken place immediately to the east of the slide; the lode is fully 5 ft. wide, 2 ft. of which is a good course of ore, worth 25t. per fm., and judging from appearances a greater improvement may be expected.

east of the slide; the lode is fully 5 ft. wide, 2 ft. of which is a good course of ore, worth 23h per fm., and judging from appearances a greater improvement may be expected.

FRANK MILLS.—J. P. Nicholls, J. Cornish, F. Cornish, Jan. 23; Good progress is being made in cutting the tip-plat at the 145, and the ground is very favourable. The west lode, in the 120 north, is 1½ ft. wide, and yielding 4 cwts. of rich lead ore per fathom. In the 130 north, on the east lode, no lode has been taken down since our last report; and the same remark will apply to the 115 north end over; the ground by the slde of the lode in these ends is very good. The west lode, in the 190 north, is still large, consisting of white iron, quartz, and lead ore disseminated throughout, but not enough to value. The various stopes throughout the mine are looking just as they have been for some time. FURSDON.—J. Collins, Jan. 23: The water is still in the 31. We have a favourable change in the weather. The engine is working well, and I believe the men will be able to go to their places in the 31 to-morrow. The end in the 11 east is 2 fathoms 3 feet east of cross-cut. The ground is the same in character as it was last week.—It is letting out more water, and has drained all the water from the high back behind the stopes for 7 or 8 fathoms behind the end; this looks favourable for the continuance of the lode. The stope in the back of the 11 east is within 5 fathoms of the present end. The lode is making ore close to the back of the level, but not worth so much per fathom as we have had it on an average. There has been nothing done in the back wide, which I believe is forming the lode again. We hope to report more favourably of this place another week. The frost being almost gone, we are now dressing the ore we have at surface.

GAWTON COPPER.—G. Rowe, G. Rowe, gun., Jan. 19: The sinking of the

an average. There has been nothing done in the back of the stope since hast week. The winze in the bottom of the I least is farfamos feet below the level. There is a branch of ore come in the north side, 6 inches wide, which I believe is forming the lode again. We hope to report more favourably of this place antiset is forming the lode again. We hope to report more favourably of this place antiset is forming the lode and the form level end is suffice.

GAWTON COPPER—G. Rowe, G. Rowe, Inn., Jan. 19: The sinking of the engine-shaft below the 60 is being pushed on with all possible vigour, in beautiful mineralised strata. The ground in the 60 fm. level erose-sect north is rather stiff, consequently our progress during the past week has not been so fast as we factor, and the ground moderately easy. The lode in the winze sinking below this lavel, east from cross-cut, is 4ft, wide; worth 4 tons of ore per fathom. We purpose sinking a No. 2 winge, west from cross-cut, is a good lode, for the purpose of properly cutting out the ore ground in convenient sections, and taking 50, west from old sample, is fit, wide, worth 10 tons of ore per fathom. We work of the purpose in the purpose in the section of the purpose in the section of the purpose sinking a first fit of the purpose sinking as the section of the section

lode in the western end of shaft is more defined, and also more productive to copper ore, at present producing saving work. In the 56, east of Stone's shaft, the lode is 18 in, wide, worth 3l. per fathom. In the 47, east of said shaft, the lode is 18 in, wide, worth 3l. per fathom. In the 47, east of said shaft, the lode is 18 in, wide, producing stones of copper ore. The 56 fm. level cross-cut, north of Pinniger's shaft, is without alteration to notice. At Reed's there is me alteration since last report. The lode in the end of the 53, east of Reed's shaft, is unproductive. In the 53, west of said shaft, the lode is 2 ft. wide, worth e.g. per fathom. The speed of our engine is about eight strokes per minute. HINGSTON DOWN CONSOLS.—T. Richards, Jan. 23: The lode in the 140 cast of Bailey's engine-shaft, is disordered by some cross branches, and for the present does not contain ore enough to value. The stope in bottom of the 2c cast is worth 55l, per fm. The 150 west is producing a little saving work. The stope in bottom of the level is worth 25l, per fm. The stopes in back of the level are worth 18l, per fm. The stopes in back and bottom of the 120 cast are worth 18l, per fm. The stopes in back of the level is worth 18l, per fm. The stopes in back of the level is worth 18l, per fm. The stopes in back of the level is worth 18l, per fm. The stopes in back of the level is worth 18l, per fm. The stopes in back of the level is worth 18l, per fm. The stopes in back of the level is worth 18l, per fm.

gre worth 181, per 1m. The 18 super 1 m. The stope in back of the level is worth 181, per fm. The 129 west is worth 101, per fm. The 129 west is worth 181, per fm. LEAWOOD.—J. Nicholls, J. Daw, Jan. 19: The lode in the 40 is strong and promising, although unproductive of mineral to vairie.

MINERA UNION.—W. T. Harris, Jan. 24: At Donglas's shaft, sinking below the 40 yard level, the ground is a little easier for progress. The ground in the cross-cut at the 40 yard level consists of chert, and hard for driving.—Brabners, Shaft: The ground in the cross-cut towards the red vein consists of black limestone and spar. The lode in the 60 yard level north is 3 ft, wide, composed of chert, carbonate of lime, blende, and a little lead—a strong looking lode. The stopes in the back of this level are worth 10 evets, per fm. The lode in the big cross-cut is 3 ft, wide, yielding 15 cwts. of lead per fm.—Williams's Shaft: The 40 yard level north is making good progress; the lode yields occasional stone of lead.

MOLLAND.—T. Bennetts, Jan. 23: We have suspended cutting into the north

cross-cut is 3 ft. wide, yielding 15 cwts. of lead per fm.—Williams's Shaft: The 40 yard level north is making good progress; the lode yields occasional stones of lead.

MOLLAND.—T. Bennetts, Jan. 23: We have suspended cutting into the north part of the lode in the 72 cast (not having met with the north wall), where the lode is composed of hard quartz, associated with red from and spots of gregore; we have, however, resumed driving the orey part of the lode cast, which the men are desuing at present, and which is of the same character and composition as last reported on; it will, however, I expect, be taken down by Friday next, and if any improvement takes place I will advise you. In the winze sinking below this level we have not with a small branch or two under the slide in sinking for a fork, but the main caunter part of the lode we have not yet fonny, though I presume it cannot be far off. The weather, which has been very seve here dwing the pass were seven be reaking up a little, which will enally us. I hope, to commence dressing.

NEW CROW HILL.—W. Trelease, Jan. 22: The lode in the 70, cast of winze, is fully 6 ft, wide, of flookan, mundie, soft spar, &c., with occasional spots of lead ore, but the ground round it is so heavy, after the lode has been removed, that no timber we can put in will stand the pressure, and, therefore, I have again ordered the level to be turned a little south to drive in the country: the progress here will be slower, but the level will be a good one, and no timber will be warened as the ground, off of t. from the lode, is firm, and we must in future drive great and cut into the lode occasionally. The new stope, in back of the 55, is efficiently and the shart warened will be sharted. Which we have no change in the 35, except that the ground is now harder. Louisa's shaft is also barder, with large runs of quartz passing through &: let at 26, per fm.

NEW TAMAR SILVER-LEAD.—Jas. Phillips, Jan. 24: We have cleared up the shaft under the 10, the lode in which is large, and very kindl

at 5l. The plat in the 53 will be complete next week, when we shall be read for sinking the sump.

NEW WHEAL TOWAN.—R. Pryor, Jan. 23: The lode in the adit level, driving west, continues just the same as when last reported, but I think there is more lode still further south; this will be proved in the course of a few days, as the men will drive a little in that direction.

NORTH PHŒNIX.—J. Secounde, J. Martin, Jan. 18: Setting Report: The 160 to drive west on the south side of the lode by six men, at 14l. per fm.; then is no change in this end to notice. The 140 to drive west on the south side of the lode by six men, at 7l. per fathom; a splice of what appears to be a mixture of granite and clvan has come in between the killas and the lode, and from its appearance we are led to believe that we are now very near the junction of the strate and that we shall shortly have the whole of the lode in granite. To drive the cross-cut north from the 140 west by four men, at 18l. per fm.; the lode so fa as cut into is composed chiefly of capel and peach, impregnated with yellow.

opper ore. OKEL TOR.-J. Rodda, Jan. 24: There is no material change in the grant in the Soross-cut south. The 65 cross-cut south is into the lode about 8: OKEL TOR.—J. Rodda, Jan. 24: There is no unaterial change in the gr in the 80 cross-cut south. The 65 cross-cut south is into the lode about 8 the last 3 ft, consists of mundle, spar, and ore, saving work; the water is tassing strongly from the south, therefore I am of opinion we have a large tion of the lode to cut through, and there is a great probability of its found very productive. Since cutting the lode in the 50 cross-cut we have of upon it about 5 fms. east and west in a good course of ore, and the ends are looking very well—the western end producing 8 tons, and the castern end 4 of ore per fathom; the falling off in the value of the latter end is occasional a small cross-course, but we are getting out of its influence, and the lode i proving again. We have seven stopes in the mine, producing on an average of the castern course.

looking very well—the western and producing 8 toms, and the castern end 4 to of ore per fathom; the falling off in the value of the latter end is occasioned a small cross-course, but we are getting out of its influence, and the lode is in proving again. We have seven stopes in the mine, producing on an average 3 tons of ore each per fathom.

OLD GUNNISLAKE.—H. Rickard, Jan. 23: Our operations at present a principally confined to Parker's lode, it being one of great promise. Parker shaft is sunk on the course of the lode 48 tms., it being the required depth form a communication with the deep adit level; the sinking of this shaft is the present suspended, and the men put to drive both cast and west of that level the lode in the 48 fathom level east is 4 feet wide, composed principally of spapina, and mundle, with spots of yellow and grey copper ore—a very promish lode. The lode in the 48 fathom level east is 4 feet wide, composed of a mass goesan of first-class quality, with spots of black and grey copper ore, either belo the goesan or dipping from it. We have about 49 fms. to drive cast to accomplish the desired object in forming the communication. In order to facilitathis work I would recommend a water-fall being put in from the shallow tot deep adit level for air, and a full pare of men put to drive south to interse Parker's lode, which is only a few fathoms more to drive; then drive west official course of it with all speed. Exclusive of the many productive lodes seen in tiold mine there are other lodes of great promise to be seen both to the north as south of Parker's, one of which has been very extensively wrought upon I dingston Down Consols Mine, to the west adjoining setts, and yielded Immen quantities of copper. Several mines in close proximity to this is opening on well. From the congenial character of the eastern part of the county, I see to one place that presents better elements of success than Old Gunnislake.

PEDN-AN-DREA UNITED.—Wm. Tregay. J. Thomas, Jan. 19: Sump: The lode in the 140 west end i

for launders to convey the water to the shaft.

GREAT NORTH LAXEY.—R. Rowe, Jan. 22: The late frost and snow have greatly hindered our wheels, and, therefore, impeded the operations in the engine-shaft and bottom levels. The ground in the 82 end north is easier for driving, and the lode continues worth 1½ ton of lead per fathom. The lode in the 72 end, driving north, is again improving in size and appearance, and is yielding some good stones of lead and blende; this level south is without any change to good stones of lead and blende; this level south is without any change to good stones of lead and blende; this level south is without any change to good stones of lead, altogether of a very promising appearance.

GREAT SOUTH CHIVERTON.—John Nancarrow, John George, Jan. 22: The part of the lode carried in Gifford's engine-shaft is 3 feet wide, composed of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can be desired for the production of flookan, quartz, line, &c., and is all that can

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and from its present appearance we have every reason to expect it being very good. In the 45 west we are driving by the side of the lode. Stopes in back of the 45 east still worth 155, per fin. In the 30 fathom, both east and west, there is no change to notice.

— J. Gifford, W. Gifford, Jan. 24: In the 55 cross-cut south, we have cut into the lode 6 ft.; worth full 357, per fathom, and the water coming freely from the breast of the end, and no signs of beingh through the lode.

— PROSPER UNITED.—John Nicholls, Jan. 24: The lode in the 90 west is 4 ft.; wide, worth 126, per fathom for tin. The lode in the 80 west is 2 ft. wide, producing saving work for tin. Carter's winze, in bottom of this level, is worth 135, per fathom for copper and tin. Gard's winze, in bottom of the 80, is opening out tinny for copper and tin. Gard's winze, in bottom of the 80, is opening out tinny for copper and tin. Gard's winze, in bottom of the 80, is opening out tinny from the 50 is not so good, it is now 1½ ft. wide, saving work for tin. The stopes in back of this level are producing 2 tons of copper or per fathom. The 80, in back of this level are producing 2 tons of copper or per fathom. The 80, in back of this level are producing 2 tons of copper or per fathom. The 80, is pening tribute ground. The folde in the 60 east of Hosking's is opening tribute ground. The folde in the 60 east is 4ft. wide, worth 10l, per fathom for tin and copper. The lode in the 60 east is 4ft. wide, worth 10l, per fathom for tin and copper. The lode in the 60 east of Hosking's sold stones of copper ore. The ground in the western shaft is producing good stones of copper ore. The ground in the worth 10l, per fathom for this and copper.

REDMOOR.—T. Taylor, Jan. 24: We have just commenced the cross-cut towards the lode in the 61; the ground is moderate for driving, and containing mundle, &c. We shall push on with all speed. No other change in the mine. ROSECLIFF AND TOLCARNE.—R. Pryor, J. Phillips, Jan. 23: The ground in the 30 fathom level cross-cut, nort

improvement, and letting out water freely. No. 3 lone, firting easts of cross-cut, is 2½ feet wide, and is of much the same character as when last reported on—a k 12½ feet wide, and is of much the same character as when last reported on—a k 12½ feet wide, and is of much the same character as when last reported on—a kindly lode.

ROSEWARNE GONSOLS.—J. Nancarrow, R. Knuckey, Jan. 21: The men are making fair progress in driving the 100 cast, but have not yet got into the lode. The east stope above the 30 is The east stope in the back is not quite so lod as when last aported on, but yields some good ore. The ground in the 70 years is very favourable for driving. The severity of the weather has greatly hindered our dressing operations, but we shall sell at the usual time 40 tons of ore, SORTRIDGE CONSOLS.—James Richards, Jan. 24: Hitchins's engine-shaft, so the south part of the main lode, the lode is 1 ft. wide, worth ½ ton of ore per fathom.

SOUTH CALLINGTON.—W. Spargo, Jan. 24: The lode in the sonth adit is now cut through, which is 11 ft. wide, but it does not produce lead enough to save, although it has a very promising appearance. By driving another 10 or save, although it has a very promising appearance. By driving another 10 of 5 fms. further south into the hill, and then cut through the lode again at that point, and the east proper such that the same level west the lode is 1 ft. produce 1 the back of the 56, east of flat-rod shaft, the lode is 1½ ft. wide, yleding 2 tons of good ore per fathom; in the same level west the lode is at present small and unproductive, being disordered by the cross-course. Our sampling of copper ore this week is being disordered by the cross-course. Our sampling of copper ore this week is being disordered by the cross-course. Our sampling of copper ore this week is

eing disordered by the cross-course. Our sampling of copper ore this week is momented at 51 tons.
SOUTH HERODSFOOT.—W. Goldsworthy, Jan. 24: We have completed the source of the complete of t

will be found about Richards's lode. The water is very moderate, considering the season.

TIN HILL.—W. H. Willcock, Jan. 23: The late severe weather has greatly retarded our surface operations, the frost being more severe than experienced here for very many years. The engine-shaft is sinking with full speed, and I expect in about two or three weeks to be down the requisite depth, when short pross-cuts will be driven off to intersect our east and west, as also the north and south lodes, which we are of opinion will prove most valuable ones, as we are now raising right instuff in the 9 fm. level of the old mine, where we find very rich bunches of tin going down, and consequently expect the lodes, when fully uppened in depth, to return large quantities of ore of high produce. The stamps will resume working now the frost is leaving us, and hope to be ready with a batch of tin in February, as promised, and returns will gradually increase as we open out the mine.

eresecuts will be driven out to intersect on each act where we find very inch bunches of the going down, and consequently expect the bodes, when fully opened in depth, to return large quantities of over 6 high produces. The stamps will read to the control of the product of th

a branch of copper ore had come out of the north wall. I now find it is a cannter, producing some good copper ore, but not capal to the south lode, which is
can lift, but it, not require yet. We are driving on the canner, which in
can lift, but it, not require yet. We are driving on the canner, which in
prove solute south, and must fail in with the south lode westward,
had been able to work in the hostomorf the sale for before one is at Taylor's,
hat two days since has report our engine is working nine strokes per minute,
where the solution is the hostomorf the sale for before one is a Taylor's,
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producing good stone of ora, in eval, in the 25 west the index is 1 feet wide,
in this level. The lode in the 75 fm, level cast is 2 feet wide, producing in the
of one per fm. We have view topos working in the 25 fm, level, for in the back
of one per fm. We have view the back of the sale of the sale in the sale of the sale in the sale of the sale is the sale of the sale is the sale of the sale in the sale of the sale is a sale of the sale of the sale of the sale is a sale of the sale is a sale of the
70 tons dressed.

WHEAL UNY.—S. Coade, M. Rogers, Jan. 19: The 130 fm. levels, east and west of engine-shaft, are driven slowly, owing to so much water from the late rains: the ends are producing an average quality tinstuff. The lode in the 120, east of engine-shaft, is large, and worth 201, per fathom for tin. The 110 fm. level is driven into Goodinge's cross-cross; we are opening on it, and will ascertain its value next week. The 160, west of Goodinge's cross-course, is worth 61, per fathom. The 90-east is worth 81, per fathom. The 120, west of incline shaft, is worth 62, per fathom. We have sold to-day 9 tons 17 cwts. 2 qrs. 13 lbs. of black tin, at 484, 5s. per ton; and, but from the severity of the weather, we should have sold 2 tons more to-day.

FOREIGN MINES.

roduce, 8045 oits., at 8s. 6d. per oit. Cost 2319

Profit.....£ 244 8 8 This report is the first in which I have had the satisfaction of announcing a profit, and this is, I hope, but an earnest of what we shall achieve in future. The operations throughout have proceeded with recularity, the features of the mineare most encouraging, the auriferous quality of the stone treated has been superior

NALLANTIGORIA (GIGID). Jun. 12: The stope in bottom of the adit level north on No. 1 has greatly improved in width within this last week, and the oce coming from this point will give loca gold per ton of roc. The lood in the winne sinking under will give loca gold per ton of roc. The lood in the winne sinking under will give loca gold per ton of roc. The lood in the winne sinking under the common state of the level in both of contains sink, which say the control of the level in the old workings, which has retarded wide, of aurity resume the driving of the end. After a long driving south through the alluvial at the adit we have reached the rock, and we expect shortly to cardinate the control of the cont

some arrobas: cost, 36,750 rs.; men, 51, or (say) 31 men in shafts and winzes to sink 26% varas, 32 men in levels and cross-cuts to drive 52 varas, 22 men in stopes to spend 175 varas, and 6 men on tribute.

**LUSITANIAN,—Jan, 15: At Taylor's shaft the lode is worth 2 tons per fathom. In the 69, west of Oak shaft, the lode is composed of flookan, quartz, and stones of ore. The lode in the 100, east of Taylor's, is worth 1 ton per fm. The lode in the 100 west is worth ½ ton per fathom. The lode in the 90, east of Taylor's, is composed of dry flookan and schist. In the 80, west of No. 6i winze, the lode is worth ½ ton per fathom. The lode in the 40 west of Taylor's, is composed of row, but not enough to value. The 70, east of slide lode is worth 34 ton per fathom. The lode in the 28 east is composed of quartz and stones of ore. The 50 cross-cut is of a hard guelss. The ground in the 60 and 100 fm. level cross-cut is a hard guelss. The 80, cast of Taylor's, is composed of quartz and stones of ore. The 50 cross-cut is of a hard guelss. The ground in the 60 and 100 fm. level cross-cut is a hard guelss. The 80, cast of Taylor's, is composed of quartz and stones of ore. The 50 cross-cut is of a hard guelss. The ground in the 60 and 100 fm. level cross-cut is a hard guelss. The 80, cast of Taylor's, is composed of quartz and stones of ore.—Stopes: The lode in the stopes above the 60 and 100 fm. level or Perez's shoft, is worth ½ ton per fathom. The lode in the stopes above the 18, west of Foresaca's winze, is worth ½ ton per fathom. The lode in the stopes above the 60, west of Joaquim's winze, is worth ½ ton per fathom. The lode in the stopes above the 50, east of Taylor's shaft, is worth 10 ton per fathom. The lode in the stopes above the 90, east of Taylor's shaft, is worth 10 ton per fathom. The lode in the stopes above the 90, east of Taylor's shaft, is worth 1 ton per fathom. The lode in the stopes above the 90, east of Taylor's shaft, is worth 1 ton per fathom. The lode in the stopes above the 90, east of Taylor'

10 west the lode contains mundic and quartz, with gossan. The lode in the stopes above the 30, east of No. 3 winze, is worth 2 tons per fathom.—Figueiredo Mine: The lode in the 20 metre level, east of Henty's shaft, is 4 ft. wide, being 3 ft. of flookan and 1 ft. of quartz; its bearing and underlie are very regular.

WEST CANADA.—W. Plummer, Dec. 15: Huron Copper Bay: The stope west of new engine-shaft is worth 2 tons per fm., and the stopes on the east are yielding from 1\(^4\) to 2 tons.—Palmer's Shaft: The lode in this shaft has of late materially changed. In shaking under the 35 the lode for 6 fms. maintained its size and richness. Wewere sinking on the middle of a good lode without a wall on either hand. First we met with a wall on the north side, which underlied so fast that in sinking about 4 fms. the lode narrowed from 16 feet to 2\(^4\) ft; recently it has got wider, but I swithout ore. The stopes on the east and west are unchanged, and yield from 3 to 4 tons per fm.—Bray's Shaft: The so west is poor; this is in the direction of Palmer's shaft. Thave watched this point of late with great interest, and I am not yet without strong hope of an improvement. The lode going east is of much the same character. All the other points on Copper Bay are looking well.—Wellington: The lode at Grenfell's shaft is without change; the lode is wider, but does not carry ore enough to be of much habout 1\(^4\) ton per fm., and on the west Crase's, east of Rowe's winze, the lode yields 1\(^4\) ton per fm., and on the west forms, and the west from the sum of the west is such the same, and yields from 1\(^4\) ton per fm. The stope on the west is worth about 1\(^4\) ton per fm., and on the west Crase's, east of Rowe's winze, the lode yields 1\(^4\) ton per fm. and 1 to the stope yield their usual supply of ore, and average about 1\(^4\) ton per fm.—Bruce Mines: The stope on the east of Trial yields 2 tons per fm.; on the west the lode is poor, and will not yield more than 1 ton per fm. The stope at the engine-shaft yields 1\(^

being made.
TERRICCIO COPPER (Tuscany).—Twelve tons of copper ore have en this month (January) shipped by the company at Leghorn for Liverpool.

GOLD MINING IN ITALY.—The directors of these mines have received the following parcels of gold for December:—From Pestarena, 165 ozs.; Vallanzasca, 125 ozs.; Val Toppa, 100 ozs.; and Val Antigoria, 51 ozs., making a total of 441 ozs. It appears from the reports of the manager (which appear in another column), that had it not been for the frost which prevailed during the month, the returns would have been the largest yet made. The Pestarena return of 165 ozs. was produced from 64 tons of ore, and by native mills work-ing only nine and a-half full days. The average produce since April been over 2 ozs, of gold per ton of ore.

GOLD MINING IN BRAZIL.-It is gratifying to find that the mines of the Don Pedro North del Rey Company continue to yield a satisfactory profit, the operations during November resulting in a profit of 1100%. The directors have announced that the dividend will not be less than 1s. 6d. per share, notwithstanding that the whole expenditure of the company has been charged against revenue. The mines of the Anglo-Brazilian Company have also been brought into a remunerative condition, the profit during November amounting to 2441.

EAST GUNNISLAKE AND SOUTH BEDFORD CONSOLS,-The secretary (Mr. T. B. Laws) writes that the committee appointed to settle all questions it reference to the diputed boundary have succeeded in obtaining from His Grace the Duke of Bedford the piece of ground in which a valuable discovery of coppe ores has been made, which tends considerably to enhance the value of the mine

ores has been maide, which tends considerably to enhance the value of the mime.

CALDBECK FELLS.—Mr. Thomas Eyre Foakes has addressed a circular to the shareholders, in which he states that the report of the Committee of Investigation contains statements, with reference to himself, unfairly representing the facts. He could not let the opportunity pass without expressing his great regret that the conduct of the company's affairs should have passed into the hands of a body of local directors, who, from their past as well as their present conduct, afford, in the opinion of a very large body of the shareholders, but little ground for hoping that the mine will be opened out in a good and minerike manner. A great deal had been said, both by the Cumberland directors and also by the Cumberland shareholders, about the great expense which has been hitherto incurred in developing the mine, and they have sought to cast the blame of this expenditure on the London section of the board, altogether ignoring the fact that of the nine directors four of them—Sir Robert Briscoc (the Chairman), Mr. Banks, Dr. Coman, and Mr. Walker—reside in or near Camberland, and that a fifth director (Mr. Hardie) resides at Manchester; and that if the Cumberland directors had really objected to the way in which the mine was worked, as being no too costly a scale, they could at any time have attended the board and protested against it; and if that protest was ineffectual they might have appealed to the shareholders. Then, too, the four Cumberland directors were appointed a committee to superintend the working details of the mine; and, according to Capt. Kitto, they exercised their functions in such a manner that it was impossible for the Captain to purchase even a second-hand cart without first consulting the local committee. Mr. Foakes then instanced the delay which took place on the part of Sir Robert Briscoe and Mr. Banks, who undertook to see the lessors, and endeavour to effect some arrangement with regard to the extension of the lease and a CALDBECK FELLS .- Mr. Thomas Eyre Foakes has addressed a cir-

TALGARTH SLATE AND SLAB QUARRIES.—A company is being formed, with a capital of 48,000L, for the working of these quarries, which are situate in Merionethshire. The promoters are—Messrs. A. Milstead, Ranelaghvilla, Oakley-square; H. G. Plaskett, Eldon-square, Dolgelly; Wm. H. Moore, Clarendon-road, Kensington; T. B. Diplock, Oakley-square; Walter Roberts, Alexandra-terrace, Plymouth; T. H. Walker, Wellington-square, Chelsea; W. Boggett, Lindsay-row, Chelsea; and G. C. Silk, the Vicarage, Kensington.

Alexandra-terrace, Plymouth; T. H. Walker, Wellington-square, Chelsea; W. Beggett, Lindsay-row, Chelses; and G. C. Silk, the Vicarage, Konsington.

MINING AND ITS PROSPECTS.—(From Mr. Peter Watson's "Weekly Mining Circular and Share List," No. 408, Vol. IX.)—"Throughout the late severe panic, when the value of money was daily advancing, and that of stocks and securities declining in a considerably greater ratio; when every description of produce became sil but a drug in the market, I was continually pointing out the impolicy of holders of shares in really bone fide enterprises, and more particularly in sound and well-conducted dividend and progressive mines, participating in the prevailing alarm, and of disposing of their interest at the then merely nominal quotations. I know full well that to discriminate between schemes founded upon a sound commercial or financial basis, and those which appeared to possess a superficial soundness, although containing within themselves the elements of their own inevitable destruction, was a difficulty severely felt by the general public; but those of my customers who perused this "Circular" during the past year will now do me the justice to say that my fearlest attacks upon most of the financial schemes which were then commanding an enormous premium in the market (to the extent of millions sterling) were not made without good and sufficient reason; for, unfortunately, since then my worst anticipations have been most painfully verified. As to the value of my advice, either as to the holding of shares in good mines, or to the sale of shares in what were most inappropriately termed "Financial Companies," inchase banks, &c., it is now too obvious to need further reference, for while the former are now commanding a gradually increasing market value, the latter have banks, &c., it is now too obvious to need further reference, for while the former are now commanding a gradually increasing market value, the latter have beauch of equipoise of supply and demand in metals which cannot fa taken place, that I am induced to still strongly recommend the immediate purchase of shares in mines, and more particularly those to which I have for the last few weeks directed special attention. It is true they have advanced (and in some cases materially) in market value, but it should at the same time be remembered that for some time past, from the causes above referred to, mine shares have been enormously and unduly depreciated; and therefore, although an improvement has taken place, the present market price (with a very few exceptions) is very far below their intrinsic value. Hence, investors should at once make their selection."

THE GENERAL EXCHANGE BANK (Limited). - An application this Bank. It was proposed to sell the whole of the assets to the London and Exchange Bank (Limited), that bank giving its deposit notes to the creditors in payment of their detts. Mr. A. Pulbrook, on behalf of some shareholders, opposed the application, and asked his lordship to direct a meeting to be held. His lordship said be would intimate his opinion on Saturday.

LONDON OFFICES COMPANY (Limited).—His lordship the Master of the Rolls has appointed Mr. Henry Threlkeld Edwards and Mr. Wm. Farmer liquidators of this company. Mr. A. Pulbrook is the solicitor.

PREFERENCE SHARES AND ORDINARY SHARES,-It has been de-FIRETEMENTS SHARES AND URDINARY SHARES,—It has been decided by Vice-Chancellor Kindersley, in the case of the winding-up of the Strathalbyn Mining Company, that where preference shareholders were entitled to a preferential dividend they would take with the ordinary shareholders in a division of assets; but that where preferential shareholders were entitled to interest at a stipulated rate, and a share in the dividends as well, the interest must be paid first. The reason was that dividends could only be paid out of profits; whereas interest was a charge upon the working of the company, and had, therefore, priority of claim. In short, when money was borrowed from a shareholder, for which it was agreed to pay interest, such interest must be paid, whether profits were made or not.

The Master of the Rolls has appointed Mr. H. T. Edwards, King's Arms-yard, to be official liquidator of the Tavistock Ironworks and Steel Ordnance Company (Limited).

The TITLE-PAGE and INDEX to the THIRTY-SIXTH VOLUME of the MINING JOURNAL is published, as a SUPPLEMENTAL SHEET, with this week's Journal. The Supplement also contains the conclusion of the Paper on the Development of the Iron Trade, read by Mr. Jas. Robertson at the London Association of Formen Engineers; the Proceedings of the Society of Engineers; and the inaugural meeting of the Incorporated Association of Mine Agents of South Staffordshire and East Worcestershire.

The Mining Market; Prices of Metals, Ores, &c.

METAL MARKET-LONDON, JAN. 25, 1867.

	D Millies - Boxbox, CAM 20, 1007
COPPER. £ s. d.	IRON. Per ton.
Best selectedper ton 89 0 0	Bars Welsh, in London 6 7 6-6 10 0
Tough cake and tile ,, 86 0 0	Ditto, to arrive 6 10 0
Sheathing and sheets ,, 91 0 0	Nail rods 7 0 0-8 0 0
Bolts ,, 93 0 0	" Staffd. in London 7 15 0- 8 10 0
Bottoms, 96 0 0	Bars ditto 7 15 0- 9 10 0
Old (Exchange) , 77 0 0	Hoops ditto 8 15 0- 9 15 0
	Sheets, single 9 10 0-11 0 0
Wireper lb. 0 1 01/2	
Tubes , 0 1 0	Refined metal, ditto 4 0 0-5 0 0
BRASS. Per lb.	Bars, common ditto., 5 10 0-6 0 0
Sheetsper lb, 10d	Do. mrch. Tyneor Tees 6 10 0-
Wire , 9d	Do., railway, in Wales 5 5 0- 5 10 0
Tubes	Do., Swed. in London. 10 5 0-10 10 0
	To arrive
Yellow Metal Sheath.p. lb. 81/4d	Pig, No. 1, in Clyde 2 15 0- 3 6 6
Sheets ,, 81/2d	
SPELTER. Per ton.	
Foreign on the spot 22 0 0	11 0 0 12 0 0
,, to arrive 22 5 0	,, spikes11 0 0-12 0 0
	Indian Charcoal Pigs,
ZINC.	in London p. ton., 7 0 0- 7 10 0
In sheets 28 0 0	names Denter
TIN.	STEEL. Per ton.
English blocks 90 0 0	Swed., in kegs(rolled)14 0 0-14 10 0
Do., bars (in barrels) 91 0 0	,, (hammered) 16 0 0-16 10 0
Do., refined 93 0 0	Ditto, in faggots16 10 0-17 10 0
Banca 89 0 0	English, spring 19 0 0-23 0 0
Straits£86 0 0- 86 10 0	QUICKSILVER (p. bottle) 6 17 0- 7 0 0
TIN-PLATES.* Per box.	LEAD. Per ton.
IC Charcoal, 1st qua. 1 12 0- 1 13 0	English Pig, com 20 0 0
IX Ditto, 1st quality 1 18 0- 1 19 0	Ditto, ordinary soft 20 5 0-20 10 0
IC Ditto, 2d quality 1 8 0	Ditto WB)22 15 0
IX Ditto, 2d quality 1 14 0	Ditto, sheet21 0 0
IC Coke 1 4 6-1 6 0	Ditto, red lead21 10 0 -
IX Ditto 1 10 6- 1 12 0	Ditto, white27 0 0-30 0 0
Canada plates, p.ton 13 10 0	Ditto, patent shot 23 0 0
Ditto, at works 12 10 0	Spanish
. At the works, 1s. to	
and the morney for the	p

REMARKS .- The Metal Market has been rather quieter during the REMARKS.—The Metal Market has been rather quieter during the past week, and business has not been quite so active. The severe frost which we have had has very much interfered with commercial transactions; now, however, that it has broken up we may look for a resumption of the activity which was lately apparent. Matters continue to look healthy, and there is now every prospect of a good spring trade arising in metals. The continued easiness of the Money Market affords great facilities for entering into operations, and should a little more spirit be infused into the metal market no doubt we shall find the operators will be causer to avail the resolvent.

and should a little more spirit be infused into the metal market no doubt we shall find that operators will be eager to avail themselves of the facilities thus afforded, and anxious to enter into transactions while prices are such as to promise a satisfactory result. From the intelligence received from America it appears that the impeachment of the President is not likely to be proceeded with during the present session of Congress, although it does not seem to be abandoned by the party opposed to the President. It will be very desirable to see that affairs in the United States are in a more settled state, and that our former very satisfactory commercial relations are again resumed, which we can hardly expect will be the case while matters remain in their present condition. A little more business is now doing with India than has lately taken place, though still it is very far from returning to its former active and favourable position.

COPPER.—The market for this metal has continued in a very in-

COPPER.—The market for this metal has continued in a very inactive condition during the week; the uncertainty as to what effect the late break up of the Association may have upon the market has, doubtless, had considerable influence; but we may expect that this will soon be removed, and that it will eventually be found that great advantages will result from the destruction of the monopoly. Business has been done in Wallaroo at 841, 10s, cash.

IRON.—In Staffordshire a few orders have been given out during the week for the various kinds of merchant iron, but, so far, the re-duction of prices has given but slight stimulus to the demand. The notices of the reduction of wages at some of the ironworks expired on Saturday, and meetings of the men in the various districts have been held to consider the course to be pursued; nothing, however, seems to be finally decided, but the impression is very general that there will be no strike. In Welsh the trade continues dull, and the slight feeling of confidence evinced after the quarterly meetings has not made the progress expected. The complete stoppage of enterprise by the effects of last year's panic has caused a serious decrease in the home demand, and consumers show but little disposition to purchase except to meet immediate requirements. American enpurchase, except to meet immediate requirements. American engagements have been the chief support of several of the leading works for some weeks past, and there are indications that the enquiry from that quarter is likely to increase. Large shipments of rails are now made direct to the Southern States, instead of to New York, as was formerly the case. From Russia a brisk spring demand is looked forward to for railway iron, in order to complete the lines already commenced. No steps have yet been taken by the ironmas-ters to reduce wages, and it is hoped by the men that the require-ments of buyers will so increase as to render it unnecessary to carry out the reduction. In Swedish iron a very fair business is doing, and the demand is still improving. In Scotch pig-iron the market has tended downwards, and the amount of business transacted has been but area! been but small. The price decilned to 54s. 3d. cash, and afterwards to 53s. 9d. cash, which is the last price received from Glasgow.

LEAD.—A moderate business only is doing, the market generally

remaining quiet: price, however, are unaltered. Tin.—The market for foreign has been by no means so active as it was last week, and although prices are not very much altered, yet there appears less inclination to do business. Transactions still ocour in Straits at 86%, 10s., cash, for small lots, but there are sellers of larger parcels at 86%. A small parcel of Banca has been sold at

SPELTER .- No great activity has been evinced in this metal during the week; business has been done at 22l for the middle of fe-bruary, and at 22l. 5s. for the middle of March, and parcels on the

TIN-PLATES.—There is a better sale since the quarterly meeting,

but the list prices are not obtained, STEEL and QUICKSILVER without change.

doing in the MINING SHARE MARKET since our last; but in two or three prominent mines very heavy transactions have taken place, and consequently at greatly advanced prices. We referred last week to one or two mines that had been neglected for some months, and had all at once sprung into notice; and, among these, Redmoor shares have risen from 6d. to 10s. 6d., and likely to go much higher as the cross-cut towards the lode proceeds. The standard for ore declined about 17, on Thursday,

The mines mostly dealt in this week have been Prince of Wales, Drake Walls, Redmoor, West Chiverton, Great Retallack, Chiverton Moor, North Crofty, East Carn Brea, East Caradon, East Russell, West Seton, Wheal Buller, Wheal Uny, and a few others. West Chiverton shares have advanced to 62½, 65. Prince of Wales shares Chiverton shares have advanced to 622, 65. Prince or Wales shares advanced to 38s., 40s., and leave off, owing to market operations, 34s. 6d. to 36s. 6d. The lode in the 55 has been cut into 6 ft.; a splendid course of ore, worth 35L per fm., but not yet through it. The stope above the 45 is still worth 20L per fm. Wheal Buller shares advanced suddenly from 24 to 28, but declined again after the result of the meeting and the non-division of the sett was made known, and leave off 24 to 26. the accounts showed a loss of 684 28. 5d. in and leave off 24 to 26: the accounts showed a loss of 681. 3s. 5d. in two months, and a balance against the adventurers of 686%. 8s.; no

call made. The report states that the 92, driving west of Stevens' s producing tin, and there are 12 fms. to drive to get under a bunch of tin gone down in the bottom of the levels over it, worth 30l. per athom. The 80 west is worth 25l.: the stopes in back, 20l.; the 80 east, 301.; and the winze under the 80, 501. There are 51 men at worl on tutwork, and 60 on tribute. It was resolved that the flat-rods be immediately put in order and erected, to draw the water from the 90 at Kistle's shaft; and when the 90 is drained that cross-cuts be driven to intersect the tin lode, and the account meeting in May be made special to consider the subject of erecting a new engine and dividing the sett. Devon Great Consols, 415 to 425; a dividend of 64 per share (6144).

was declared to-day, from profits on two months, and after payment of dividend, there remains a balance in hand of 16,358L 8s. Brya Gwiog, 20 to 22½; Carn Camborne, 22s. 6d. to 25s.; Chiverton Moor, 6 to 6½. Redmoor shares have advanced to 10s., 12s.; the cross-cut 6 to 6\(\frac{1}{2}\). Redmoor shares have advanced to 10s., 12s.; the cross-cut towards the lode in the 62 has been commenced in mineralised ground. Great Retallack shares have been very largely dealt in, and leave off 45s. to 47s. 6d.; at the meeting the accounts showed a balance of 375l. 17s. against the company, and a call of 3s. per share was made. The report of the mine is very satisfactory indeed, and it bids fair to make a very profitable one in a short time. Since the meeting the lode in the adit end north and south has much improved in size and appearance, being now the bigness of the level. The stope in the back has improved, worth 15 cwts. of lead per fathom. Chontales, 2\(\frac{1}{2}\) to 2\(\frac{2}{3}\); Clifford Amalgamated, 8 to 8\(\frac{1}{3}\); Cook's Kitchen, 10 to 11; East Basset, 23 to 25; East Carn Brea, 3\(\frac{1}{4}\) to 3\(\frac{1}{2}\). East Russell 3 to 3\(\frac{1}{3}\); a call of 2s, 6d. per share was made at the meeting. East Gunnislake and South Bedford Consols shares have advanced to 15s., and in fair request. We are glad to hear that the difficulty between the company and the lord has been arranged, by His Grace the Duke of Bedford having granted the piece of ground in dispute to the East Gunnislake and South Bedford Consols adventurers. In this ground a valuable discovery of copper ore has been made, and it very materially improves the position of the company. East Grenville, 2 to 2\(\frac{1}{4}\). East Caradon, 5\(\frac{1}{4}\) to 6; at the meeting the accounts showed a balance of 2339\(\text{2}\), 2s, 5d., after payment of dividend of 614\(\text{4}\), 8s. (2s. per share). Williams's shaft is down 11 fms. below the 100, and when completed to the 115 a cross-out will be extended to cut the lodes, and it is avegeted the equator and valuable will form a junction. This is a contract and valuable in the lodes, and it is avegeted the equator and valuable will form a junction. This towards the lode in the 62 has been commenced in mineralised ground

completed to the 115 a cross-cut will be extended to cut the lodes, and it is expected the caunter and south lode will form a junction. This is a good point in the mine. The various ends on the caunter are look. it is expected the caunter and south lode will form a junction. This is a good point in the mine. The various ends on the caunter are looking better than they did three months ago, and a further rise in the standard will enable good dividends to be paid. Great Wheal Vor. 17 to 18; Marke Valley, 4 to 4½; New Seton, 32½ to 37½; North Crofty, 5½ to 5½; North Treskerby, 2½ to 2½; Prosper United, 3½ to 3½; Providence Mines, 27½ to 30; Rosewall Hill and Ransom United, 25s. to 30s.; South Condurrow, 15s. to 17s. 6d.; South Frances, 18 to 20; South Grenville, 6s. to 8s. East Lovell, 10½ to 11; the mine continues to look well, especially on the south lode below the 40. The western end of this shaft is much improved, where there is a magnificent lode. St. Ives Consols, 8 to 9; Tincroft, 14½ to 15; West Caradon, 11½ to 122; West Frances, 16 to 17; West Seton, 125 to 130; Wheal Chiverton, 9 to 9½; Wheal Grenville, 22s. to 24s.; Wheal Mary Ann, 12 to 14: Wheal Seton, 120 to 125; Wheal Trelawn, 11 to 12; Wheal Uny, 2½ to 2½; Grambler and St. Aubyn, 5 to 6; Great Laxey, 16½ to 17½; Great South Tolgus, 17s. 6d. to 20s.

The Market for Mining Shares on the Stock Exchange has during the week been very active. West Chiverton shares have been largely dealt in, and close 644 to 654; the prospects of the mine are reported as better than at any period of its history. The lode in the 100 continues to improve, and the courses of ore in the 80 and 90 west have lengthened greatly from those passed through in the upper levels. The recent severe weather has interfered with the dressing operations, but not with the underground workings, and the accounts to be presented at the next meeting will not be thereby affected. Increased dividends must ere long be paid. Chiverton affected. Increased dividends must ere long be paid. Chiverton, 83 to 94; the 100 has been communicated with Cookney's shaft, and a good course of ore has been passed through. The lode in Cookney's shaft has also improved, and the returns may be expected to ney's shaft has also improved, and the returns may be expected to be increased. Chiverton Moor, 6½ to 6½; the lode in the 50, west of flat-rod shaft, is worth 20L per fathom, and the 50, west of engineshaft, has improved. Westminster, 5 to 5½; there is a good course of ore in the eastern mine, and rapid progress is being made in the erection of the machinery in the western mine, which when completed profits from returns may confidently be relied on. Drake Walls shares have risen to 25s., 27s. 6d. Prince of Wales, 24s. to 26s. Seton shares are better at 125 to 130. Wheal Vor steady at 17½ to 18½. Great Laxey shares are flatter, at 16 to 17. North Crofty shares maintain the recent rise, and close 5½ to 5½, and the mine is favourably reported on. Devon Great Consols, 420 to 430. In Foreign Mines there has been less activity, with the exception of St. John del Rey shares, which close 53½ to 54½. Don Pedro, ½ to ½ prem. Pestarena, 1½ to 2. Chontales fell to ½ dis., but close ½ to 4 dis. Port Phillip, ¼ to 1; Yudanamutana, 1½ to 1½. Changes otherwise are unimportant. therwise are unimportant.

IRISH MINE SHARE MARKET .- Since our last, of the 12th inst. Carysfort Mining Company's shares have suddenly jumped up from 2s. 6d. to 4s., and are now readily taken at a further advance of 1s. 6d., or 5s. per share. From Connorree Mines (also in the Vale of Avoco), there is information from the officials of the discovery of a new sulphur lode, which has caused these shares to rise from 16s. 6d. to 18s. 6d. As we have many speculators who hold shares in all our leading mines, an unexpected attraction of special attention, such as above quoted, has generally a tendency to check their purchases in the quieter channels, and thus the full-priced shares of the Wicklow Copper Company and the Mining Company of Ireland have slightly declined—the former, Wicklow Coppers, 2l. 10s. paid, from 24l. 5s. to 24l. 2s. 6d., and the latter (7l. paid) from 18l. 17s. 6d. and 19l. to 18l. 15s., ex div. On the whole, the mining share market has been tolerably well supported, particularly when compared with the dealings in other securities.

A Cost-book company, divided into 600 shares, upon which 5s, is A Cost-book company, divided into boo shares, upon which os, is to be paid on application and 5s, on allotment, has been formed for working the South Fowey Consols Copper Mine: further calls will be made as required. The sett extends nearly a mile from east to west, and half a mile from north to south, having on the southwest Par Consols, and on the north-east Fowey Consols, which mines have been two of the most productive in Cornwall, having yields. nave been two of the most productive in Cornwall, naving yieldes, upwards of 3,000,000l. sterling in copper and tin, and given more than 400,000l. profit. The reports appended to the prospectus, which will be found in another column of this day's Journal, are unusually strong, as might indeed have been expected, considering the position of the property, embracing those of Capts. Peter Clymo, J. Petherick, Francis Puckey, and Charles Thomas and Son; but it will suffice to allude to Capt. Peter Clymo's alone, in which it is stated that he to allude to Capt. Peter Clymo's alone, in which it is stated that he has been one of the principal agents of Fowey Consols for eighteen years, that the South Fowey ground adjoins, that he knows the whole sett well, and that there are several very promising lodes contained in it that are well worthy of vigorous development; if that be done he believes the parties will be well remunerated for their outlay. The lease is for twenty-one years, at dues from 1-18th to 1-16th; and, by a mutual arrangement to be entered into with Fowey Consols, the entire South Fowey mines will be got into full working order at once, without the delay usually attending as a necessity upon the earlier development of mining enterprise. The whole of the projected arrangements and the machinery and advantages to be acquired are carefully detailed in the prospectus.

Of all efforts that have been made to carry the principles of co-operation amongst the middle and upper classes of society, the most successful have been those of the JOINT-STOCK COAL COMPANY (Limited). This company, at its formation, in 1864, commenced with a small capital, upon the expectation of paying a good dividend to its shareholders as investors, and also at the same time paying espeits shareholders as investors, and also at the same time paying especial advantages to its shareholding purchasers by the way of a bonus upon their coal consumed. As the result of its first year's operations the company paid a dividend of 10 per cent., and returned to its consuming shareholders 2s, 6d, upon each ton of coal they had purchased. The advantages thus obtained will be best seen by the following illustration:—A B has 10 shares in the company, upon which he has paid 5t,, and on the shares he would receive 10s, dividend, but, supposing the particular that the same state of each during the same upon posing he has also consumed 12 tons of coal during the year, upon

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il-185 ipthese he would receive a bonus of 30s., so that in reality he obtains 40s. dividend upon his 5*l*. investment. It was, by some, thought that this state of things was too good to last, but the close of the second vear's working shows results equally satisfactory, with the promise, now that the company is fairly established, of even greater success in future years. We are not surprised with such realisation that the first capital of 50,000 shares was quickly subscribed, and that the second 50,000 shares are being rapidly allotted; and we do not wonder at it, as surely every consumer of coal must feel it to be to his interest to take shares in so profitable and safe an investment.

At Redruth Ticketing, on Thursday, 1873 tons of ore were sold, realising 11,1614. 16s. 6d. The particulars of the sale were:—Average standard, 1044. 17s.: average produce, 8½; average price per ton, 54. 19s.; quantity of fine copper, 155 tons 12 cwts. The following are the particulars of the sales during the past month:—

At the Swansea Ticketing, on Tuesday, 2064 tons of ore were sold, realising 23,1641, 12s. 6d. The particulars of the sale were—Average standard, 971, 16s. 9d.; average produce, 15; average price per ton, 111, 4s. 6d.; quantity of fine copper, 309 tons 12 cwts. The following are the particulars of the two last sales:—
Date. Tons. Standard. Produce. Price per ton. Per unit. Ore copper. Date. Tons. Standard. Produce. 47 3 3 ... 11s.4d. ... 255 10 0 Jan. 22... 2064... 97 16 9 ... 15 ... 11 4 6 ... 14 11 ... 74 16 6 Ompared with the last sale the advance has been in the standard 171, 10s., and in the price per ton of ore about 21, 12s. 6d. There will be no sale on Feb. 12.

The directors of the Devonshire Great Consolidated Copper Minima.

The directors of the Devonshire Great Consolidated Copper Mining Company at their board meeting, held yesterday, declared a dividend of 61444., being 61, per share, arising from profits on sales of copper ores sampled in the conths of September and October last. After payment of the same there remains in hand a balance of 16,3584, 8s. in cash, ore bills not at maturity, and reserve fund applicable to the general purposes of the company.

At West Basset Mine meeting, on Wednesday, the accounts showed —Balance carried over from last meeting, 373. 16s. 2d.; copper ores sold, 13ol. 13s. 1id.; stores sold, 14. 10s.; tin sold, 523t. 19s. 6d.; advance on tribute received, 220t.; balance, 271t. 3s. —2541. 2s. 7d. Costs, Oct. and Nov., 1773t. 1s. 9d., yalty, 134t. 2s. 3d.; advance on tribute, 25ol.; boundary costs, 35tl. 1s.; bankers' commission and sundries, 32t. 17s. 2d. —25tl. 2s. 7d. A letter was read from Mr. Finch, the solicitor, informing the meeting that the bill in Chancery sainst the South Frances adventurers and Mr. John F. Basset, the lessor, was fully filed on the 14th, and on the same day copies sent to the agent at Trure, with instructions to see the solicitors for the defendants, and procure their ecceptance of service.

with instructions to see the solicitors for the derendants, and procure enerceptance of service.

At Cargoll Mine meeting, on Tuesday, the accounts for the three months ending September showed a credit balance of 7931. 13s. 10d. Captains cross and Tysser reported upon the various points of operation.

At Bryn Gwiog Mine meeting, on Wednesday (Mr. B. Seward in the chair), the accounts for the three months ending December showed a credit alance of 3211. 13s. 4d. Capt. Stephen Harper reported that they have 86 men oployed underground, and 44 men and boys at surface. At present, in consequence of the severe frost and snow, their surface operations are very limited, intendarly in the dressing department.

At Wheal Buller meeting, on Wednesday, the accounts for Novemard December showed a debit balance of 6861, 8s., and a loss on the two

At Wheal Buller meeting, on Wednesday, the accounts for November and December showed a debit balance of 6861, 8s., and a loss on the two nonths of 681, 3s. 5d. Capt. James Inch reported that they have 51 tutwork on and 66 tributers working on the mine. It was resolved to put the flatiods, in order to draw water from the 90, at Kistle's, when cross-cuts will be frient to intersect the tin lode. The meeting in May will be made special, to consider the subject of erecting a new engine, and dividing the sett.

At Great Retallack Mine meeting, on Tuesday (Mr. Looker in the hair), the accounts made up to the end of Novembershowed a balance of liabilities over assets of 3751. 17s. A call of 3s. per share was made. The report of he agents congratulated the sharholders upon the fine prospects of the mine. Capt. Odgers was appointed manager, at a salary of 5t. 5s., and Capt. J. Harris, he resident agent, at a salary of 6t. 6s. per month. It was resolved that in future the mine should be open to private inspectors on Fridays only, and that receding in the Stannaries Court against defaulting shareholders be stayed, and the calls and costs incurred be paid.

At East Wheal Russell meeting, on Thursday (Mr. Jardine in the hair), the accounts, for the three months ending November, showed a debit alance of 753t, 8s. 11d. The assets exceeded the liabilities by 90t, 3s. 9d. A call 7 2s. 6d. per share was made. Details in another column.

At the Lady Bertha Mine meeting, yesterday, the accounts showed debit balance of 41tl. 4s. 10d. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s. 6d. per share was made. A call of 1s.

At the Scottish Australian Investment Company meeting, to be held At the Scottish Australian Investment Company meeting, to be held a feb. 1, the report of the directors to be submitted states that, except to a nail amount, no sales of land or other real estate have been effected in the birse of the half-year. The gross profits realised, including 1000, set aside at st balance, and now brought forward, and 295, 19s. 45, received in London for minission, transfer fees, &c., amount to the sum of 23,794, 17s. 5d. The commission, transfer fees, &c., amount to the sum of 23,794, 17s. 5d. The commission are entirely derived from the ordinary sources of the company's wenue—rents, interest, and commission. The directors will propose a divised, payable on Feb. 13, on the ordinary stock of 20,000.4, being at the rate 110 per cent. per annum, less income tax, which will require 15,000. and leave the credit of the reserve fund 8017. 6s. The report of the auditors (Messrs. Becher and W. B. C. Maxwell) states that the usual half-yearly certificate on the Hon. G. K. Holden, Esq., M.L.C., dated July ', has been received, and retifies that the title deeds and securities for loans and debts due to the company are "safe, and in order, and in possession of the company." The total mount of leans and debts due to the company, and of bills discounted with security, on June 30, was 436,941, 2s. 7d.; and the valuation of the lands, stock, and other securities held for the same was, at that date, 883,935d.

On the Stock Exchange there has been a moderate demand for lining Shares during the week. The following quotations were flicially recorded in British Mining Shares:—Drake Walls, 1 to 1½; Last Carn Brea, 3½; Great Wheal Vor, 17½, 17½, 18, 18½, 17½; Marke Yalley, 4½; North Wheal Crofty, 5½, 5½, 5½, 6, 5½; West Chiverton, 26, 60½, 65, 63½, 65, 64; Great Laxey, 17½, 16½, 17; Chiverton, 8½; Devon Great Consols, 416; East Lovell, 11; West Caradon, 11½; Bifford, 8½,—In Colonial Mining Shares the prices were:—Yudananutana, 1½; Scottish Australian, 1.—In Foreign Mining Shares the rices were:—Chontales, 2½, 2, 7-16th; 2, 11-16th; Fortuna, 2; St. ohn del Rey, 52½, 52, 54½, 53, 54½, 54, 55; Anglo-Brazilian, ¾, 7-16th, ; Don Pedro, ¾, 7-16th prem., 5-16th prem.; Cobre, 15-16th.

COAL MARKET .- The arrivals this week only numbered 57, nearly Coal Market.—The arrivals this week only numbered 57, nearly 1 steamers. The sudden break up of the frost caused almost a sus-nision of business in house coals for the moment, but a reduction the top price of 5s, per ton gave a better tone to the market, and a ore active enquiry ensued. Hartley's without material alteration. etton Wallsend, 23s.; South Hetton Wallsend, 22s. 6d.; Braddyll's allsend, 21s. 3d.; Heugh Hall Wallsend, 21s. Ships unsold, nil. hips at sea. 30 ps at sea, 30.

EXPORTS OF COAL.—By the Monthly Circular of Messrs. Higginson, erpool, we learn that the quantity of coal exported in December 612,284 tons, against 648,748 tons in the corresponding month of as 612,284 tons, against 648,748 tons in the corresponding month of 65, showing a decrease of 36,464 tons. The particulars are—From e Northern ports, 266,447 tons; Yorkshire, 20,904 tons; London, 61 tons; Liverpool, 49,271 tons; Severn ports, 227,964 tons; and otch, 42,937 tons. The increase was—London, 2263 tons; Severn ets, 27,680 tons. The decrease was—London, 2263 tons; Severn ets, 27,680 tons; Liverpool, 23,164 tons; Scotch ports, 25,742 as. Total shipments, 9,368,622 tons, against 8,585,118 tons, show-treen increase of 72,204 tons; an increase of 783,504 tons.

THE COPPER TRADE.—Messrs. Vivian and Younger (Jan. 25) write be market for most descriptions is again lower, and transactions are few, generally speaking, small. Ore and regulus maintain their price—15s. per on the spot, and 15s, 1½d. to arrive, having been paid. All other sorts flat at our quotations. at at our quotations

TROLEUM IN AMERICA.—The petroleum trade, which is ETROLEUM IN AMERICA.—The petroleum trade, which is now my confined to the wells in Pennsylvania, was scarcely remunerative during past year, the price of oil being very low, on account of the supply exceeding demand. The production for 1866 is estimated at 2,856,000 barrels of reloil, of which 1,489,000 barrels were exported, and the balance was either much or lestill stored at home. The supply still on hand in home and foreign kets is estimated at 733,000 barrels—a fact which shows that the market is ted, an amount equal to one-third the entire consumption of 1866 being still and. The exportation of petroleum in 1866 was more than that in 1865. In oil regions it is announced that the producers are endeavouring to make some arrangements, by stopping up wells and otherwise, to reduce the excessive supply, in order to put the price up to a remunerative figure. Their success in this is somewhat questionable, however. The Sheriff of Venango, county Penn-sylvania, announces that he will sell at public auction, for unpaid taxes, the lands of nearly 50 joint-stock petroleum companies which have become bankrupt.

Petroleum in Italy.—An advertisement appears in another part of the Journal respecting an enterprise which seems to recommend itself to investors, from the fact of the seller permitting his property to be sampled or experimentalised upon previous to the final purchase being completed, and that the whole of the money (3000L) now to be subscribed is to be solely devoted to the purchase and further development of the wells from which the oil brought over has been already raised, no directors' fees or other expenses of management being incurred in this preliminary undertaking.

the purehase and further development of the wells from which the oil brought over has been already raised, no directors' fees or other expenses of management being incurred in this preliminary undertaking.

NITRO-GLYCERINE.—Protected, or inexplosive, Nitro-Glycerine is now being manufactured and extensively used on the Continent, and a cargo having been lately consigned from Hamburg to Carnaryon was destroyed by fire while at anchor at Cuxhaven, under such suspicious circumstances that the master and crew were arrested, and sent to Hamburg for examination; and the master has since confessed that the vessel was wilfully fired. The following article on the subject has appeared in the Hamburg Borsen Hatle, evidently written before the master's confession was known:

"A short time since the Committee of the Association for the Promotion of Arts and Useful Professions, specially appointed for the purpose, instituted an enquiry respecting the new invention of Mr. Nobel, for making his blasting oil (nitro-glycerine) non-explosive, by adding thereto methyl-alcohol, and thereby removing all danger in its transit. The investigation and experiments of the conclusion;—The committee, after the preceding trials, have arrived at the conclusion;—The committee, after the preceding trials, have arrived at the conclusion;—The committee, after the preceding trials, have arrived at the conclusion;—The alcohol may evaporate. In closed vexaporation, however, is only possible when the chamber or vessel in which the oil is placed is so large and exposed that the alcohol may evaporate. In closed vexaporation, however, and evaporation cannot take place. The protected blasting oil, in the opinion of the committee, when properly treated, is altogether non-explosive, and consequently without any danger in transportation.—C. E. HERMANN, A. L. I. MEIR, ED. ZINKEISEN, W. KRCZEN, W. KRCZENS,
IMPROVED BLASTING POWDER.—The fatal accidents which have occurred in the collieries of Barnsley and other places have led to renewed efforts to introduce an improved blasting powder, which it is claimed can be used for blasting the coal without any danger of igniting the explosive gases, since the whole charge is entirely burned in the bore-hole, and neither fiame nor stones are projected. Extensive works, adapted to the manufacture of Messrs. Schäffer and Budenberg's powder, are about to be erected in Belgium, and the powder will, ere long, be offered in the mining districts of the United Kingdom. It has been proved by long practical experiments in the Roundwood Tunnel, near Dublin, that with the improved powder 60 to 70 per cent, more work was done in the same time by the same niners, and that the consumption was only balf that of common blasting powder. Scarcely any smoke or vapour is given off in the discharge of the powder, which gives it a further advantage underground, and there is no greater danger in manipulation than with common powder.

M. R. JOHN HOSKING, MINING ENGINEER,
(Late of Ashburton, Devon).

Mr. Hosking, having had 29 years' practical experience, OFFERS HIS SER
VICES as MINE SURVEYOR, VALUER of MINING MACHINERY, by te
INSPECT any MINING PROPERTY, either at hom, or abroad. Terms on Application.—14, Liverpool-street, London, E.C.

GUIDE TO INVESTORS.—Mr. SPARGO'S "Guide to Investors for the present month contains UIDE TO INVESTORS.—Mr. SPARGO'S "Guide to Investors" for the present month contains a tabulated statement of Banking, Mining, and other Companies, showing the depreciation in value during the last twelve months; and a price list of shares in Banks, Canals, Railways, Bridges, and Finance Companies up to Tuesday, the 8th is stant. It also contains articles on "Balls and Bears," and their effects; Retrospect of 1856, and Prospects of 1867; the Revenue, our Position and Prospects; like Mine and the Rail; with necessary detailed information connected with the Stock and Share Markets Mines, and Miscellanceons Companies.

224 and 225, Gresham House, Old Broad-street, London, E.C.

PRITISH AND FOREIGN INVESTMENT.—
MR. THOMAS SPARGO, STOCK, SHARE, AND MINING BROKER,
224 and 225, GRESHAM HOUSE, OLD BROAD STREET, LONDON, E.C.,
TRANSACTS EVERY DESCRIPTION OF BUSINESS IN the PURCHASE and
SALE OF SHARES IN BANKS, CAYALS, MINES, RAILWAYS, BRIDGES,
INSURANCES, and ALL OTHER DESCRIPTIONS OF BRITISH and FOREIGN

INSURANCES, and ALL OTHER DESTRIPTIONS of BRITISH and FOREIGN STOCK.

Mr. Spargo has for sale shares in English mines paying from 12 to 20 per cent. upon the present price, in bi-monthly and quarterly dividends, as also a number of shares in good progressive mines, some of which he with confidence specially recommends to the public as sound investments.

Mr. Spargo gives every information as to position and prospects of all mining undertakings, upon application, either personally or by letter, and is enabled, through his long experience, aided by his monthly visits to Cornwall, Devon, and Wales, to obtain the most reliable information as to the numerous mines in those districts. He will at all times give the best advice as to investments in mines, and, if necessary, inspect them himself; as in all cases he wishes to be guided by the intrinsic value of the property. Upon the receipt of 5s, he will furnish a selected list of dividend and progressive companies.

Mr. Spargo has published the following works, viz.:—

Statistics and Observations upon the Mines of Cornwall and Devon, 1859—2s, 6d.

M ESSRS. TREDINNICK AND DEALERS IN STOCKS AND SHARES.

MR. RICHARD TREDINNICK, MINING ENGINEER AND CONTRACTOR.

MR. THOMAS TREDINNICK

OFFICES,-ST. MICHAEL'S HOUSE, CORNHILL, LONDON.

The business hitherto conducted at 78, Lombard-street is transferred to the above address.

Stocks, Shares in Banks, Railways, Canals, and Insurance Companies dealt, and Money Advanced upon all sound Securities. Principals alone treated with.

TO MINE, SLATE QUARRY, AND RAILWAY
COMPANIES.—CAPT. C. WILLIAMS IS NOW OPEN TO UNDERTAKE
ALL KINDS OF CONTRACTS, such as DRIVING LEVELS, SINKING SHAFTS,
CONSTRUCTING WATER COURSES, CANALS, TRAMWAYS, &c., and
ERECTING ALL SORTS of MACHINERY for MINING and OTHER PURPOSES, having on hand at all times a first-class staff of miners and machinists,
who will proceed to any part of the world upon the shortest notice.
N.B.—In all cases 30 per cent. will be left in hand until the work is complete.
Tyn-y-Wern, Tallesin, via Shrewsbury.

Geology-King's College, London.

Geology—Ring's College, London.

GEOLOGY—KING'S COLLEGE, LONDON.—
PROP, TENNANT, F.G.S., will COMMENCE a COURSE of LECTURES on GEOLOGY on FRIDAY, January 25, at Nine A.M. They will be continued on each succeeding Wednesday and Friday at the same hour. A shorter course will be given on Wednesday arenings from Eight to Nine. First lecture, Jan. 30
—Text-book: Lyell's Elements of Geology. R. W. JELF, D.D., Principal.

JOHN HOCKING AND SON. ENGINEERS, REDRUTH, CORNWALL, CALL the ATTENTION of COLLIERY PROPRIETORS and WATERWORKS COMPANIES to the present favourable opportunities for the purchase of almost every description of CORNISH PUMPING ENGINES, at low rates. Plans, estimates, valuations, removal, &c., of every description of mining machinery undertaken.

MR. D. STICKLAND, M.E., having had upwards of 40 years' mining experience in Cornwall, several years of which he has had the entire management of mines therein, enables him to GIVE GOOD ADVICE

thereon.

Mining, Railway, and other Shares bought, sold, or exchanged. Shares for Jale in mines and quarries that will pay 15 to 20 per cent. per annum.

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INSTANTANEOUS COMMUNICATION with the STOCK and MINING
EXCHANGES, avoiding the delay and annoyance of visiting the city to ascertain prices.

A Monthly Investment Circular on application.

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THOMAS MOLYNEUX AND CO., MINE AGENTS AND SHAREBROKERS. Reliable information can be obtained as to purchase and sale of shares.

Offices of the Elien United Copper and Zinc Mining Company (Limited), and Hazael Grove Silver-Lead Mining Company (Limited). THOMAS MOLYNEUX, secretary, 28, Princess-street, Manchester

LEAD ORES. Date. Mines. Tons. Amount. Purchasers. Jan. 24—Wheal Mary Ann ... 52 ... £25 2 0 ... Sheldon, Bush, & Co.

BLENDE.

BLACK TIN.

COPPER ORES

Sampled January 2, and sold at Swansea January 22.

		roduce.				Mines, Tons, Produce, Price	
Berehaven	106	 1034	£7	14	6	Cuba 81 2134 £16 6	-
ditto	105	 1034	7	18	0	ditto 10 63 45 0	-
ditto	120	 91/4	6	17	6	ditto 80 215/8 16 4	1
ditto	73	 91/4	6	18	6	ditto 79 2134 16 10	-
ditto	78	 10	7	3	6	ditto 44 2134 16 7	1
ditto	100	 10	7	4	6	ditto 5 741/2 54 14	i
ditto	49	 10	7	3	6	Port Lincoln 33 2114 16 6	-
Concordia	26	 143/4	10	14	0	ditto 8 32 24 1	
ditto	25	 15	10	16	0	Residuum 12 263/8 20 15	
ditto	15	 15%	11	1	6	Californian 54 1714 12 16	
ditto	8	 22%	16	16	0	ditto 90 101/2 7 2	١
ditto					6	ditto 85 1018 7 0	ì
ditto					0	ditto 47 914 7 1	ì
Victor Em.	15	 914	6	7	6	ditto 41 936 7 0	1
ditto	. 7	 1134	8	15	6	ditto 117 1538 11 8	-
cape	9	 325/4	24	5	6	ditto 59 19 13 18	
ditto					6	ditto 47 31 22 5	1
African	8	 343/	25	10	6	ditto 10 11 7 10	1
Casali	13	 145/4	10	12	0	ditto 2 15 10 10	,
opper ore	4	 231/4	16	14	0	Newfound 6 514 3 11	
uba	110	 1435	10	15	0	Currawang 17 12% 8 15	
ditto	109	 1434	10	16	0	ditto 7 1314 9 2	
ditto	. 15	 64	46	15	0	ditto 3 14 10 1	
ditto	.106	 141/	10	18	0	ditto 2 834 5 7	
		 				ditto 2 078 0	

Berehaven	631	\$\frac{4}{2}\frac{1}{2}\$	6	Cuba	\$639	\$\frac{6}{2}\frac{5}{8}\frac{6}{3}\$	0	0	
Concordia	101	1171	2	6	Port Lincoln	41	730	10	0
Victor Emanuel	22	157	1	0	Residuam	12	2349	0	0
Cape	11	253	16	6	Californian	0	552	5548	1
African	3	76	1	6	Newfoundland	6	21	6	0
Casall	13	137	16	0	Currawang	29	253	17	0
Copper Ore	4	66	16	0					

COMPANIES BY WHOM THE ORES WERE PURCHASED

NO SALE Feb. 12. 2064 £23,164 12 6

 O SALE Feb. 12.
 TOTALS AND AVERAGES.

 21 cwts.
 Produce.
 Price.
 Standard.

 Whole sale
 2664
 15
 £11
 46
 £97
 16
 9

 TOTALS AND AVERAGES OF LAST SALE.

 21 cwts.
 Produce.
 Price.
 Standard.

 Whole sale
 1091
 1034
 £7
 3
 £90
 11
 3

COPPER ORES.

Sampled Jan. 9, and sold at Tabb's Hotel, Redruth, Jan. 24.

	and Wales, to obtain the most reliable information as to the numerous mines in	PARTIE AND
.G	those districts. He will at all times give the best advice as to investments in	Mines. Tons. Price. Mines. Tons. Price.
:	mines, and, if necessary, inspect them himself; as in all cases he wishes to be	
e		
-		
1,		
:	Mr. Spargo has published the following works, viz. :	11
	Statistics and Observations upon the Mines of Cornwall and Devon, 1859-28, 6d.	4144
,	Ditto ditto ditto 1860, price 2s. 6d.	1144-
	Ditto ditto ditto 1862, price 58,	31
e	Ditto ditto ditto 1864, price 5s.	CHIEF TO A TOTAL TO BE A TOTAL
t.	Ditto ditto ditto 1865, price 5s.	Clifford Amalgam 66 4 3 6 ditto 41 3 19 0
	The state of the s	1100
١,	Physical, Geological, and Parish Map of Cornwall. Scale, three miles to a.1	
	inch. Printed in three colours, showing distinctly the mining districts, the	ditto 57 3 3 0 ditto 20 8 14 6
1	height of the hills, &c. Price 10s. 6d., on cloth and rollers.	ditto 51 2 6 West Caradon 66 5 5 6
v	Geological Maps of the various mining districts, showing the boundary line of	
,	each mine, with the lodes, cross-courses, and elvan courses by which it is tra-	ditto 13 4 11 0 ditto 9 2 10 6
-	versed. Price 2s. 6d. each.	North Treskerby 70 5 16 5 Craddock Moor 65 5 10 6
n	A Model, or Relief, Map of Cornwall (6 ft. 6 in. by 5 ft), presenting the names	ditto 57 5 16 0 ditto 15 2 2 8
n	of every town and village, as also every characteristic point of the county.	ditto 55 5 14 6 Great Wheal Busy 25 1 19 0
	Price £5 5s.	TOTAL PRODUCE
1.	Dividends received, calls paid, and all orders promptly negociated.	TOTAL PRODUCE.
8	Commission 1¼ per cent.	South Caradon 498 £4530 5 0 Phœnix Mines 117 £ 807 0 6
1	Mr. Spango has 20 years' experience of mining, ten of which he was engaged	Clifford Amalgam 341 1237 0 6 West Caradon 133 821 16 6
	in practical mining, and ten years he has transacted business in mining shares	North Treskerby, 320 1658 13 0 Craddock Moor 80 391 15 0
- 1	and stock, at 224 and 225, Gresham House, Old Broad-street, City, E.C.	Wheal Rose 305 1666 11 0 Great Wh. Busy., 25 48 15 0
	Mr. SPARGO'S Statistics for 1866 are now ready.	
2	Bankers: Metropolitan and Provincial Bank (Limited).	Average Standard £104 17 0 Average Produce 814
r	bankers : Metropontan and Provincial Bank (Elimited).	Average Price per ton£5 19 0
I	NOTICE OF REMOVAL.	Quantity of Ore 1873 tons Quantity of Fine Copper, 155 tons 12 cwts.

 COMPANIES BY WHOM THE ORES WERE PURCHASED.

 Names.
 Tons.
 Amount

 Vivian and Sons
 348%
 2510 1

 Freeman and Co.
 268%
 1000 2

 Grenfell and Sons
 140%
 1100 17

 Sims, Willyams, and Co.
 232%
 1832 16

 Williams, Foster, and Co.
 244 3-6.
 2139

 Mason and Elkington
 279%
 1326 0

 Bankart and Sons
 81
 260 1
 COMPANIES BY WHOM THE ORES WERE PURCHASED.

Copper ores for sale at Tabb's Hotel, Redruth, on Thursday next.—Mines and Parcels,—Wheal Seton 767—Clifford Amalgamated 565—West Seton 472—South Crofty 304—West Tolgus 300—East Pool 137—Wheal Basset 120—East Grenville 95—Dolcoath 54—East Basset 50—North Downs 44—Tresavcan 34—Wheal Grenville 19.—Total, 2961 tons.

Copper ores for sale at Tabb's Hotel, Re Iruth, on Thursday week.—Mines and Parcels.—Proeper United 400—Carn Brea 244—East Carn Brea 220—Par Consols 180—Great South Tolgus 152—Crenver and Abraham 137—Rosewarne United 132—Wheal Curtis 55—South Dolcoath 51—Levant 49—Rosewarne Consols 40—Mellanear 37—Boscaswell 18.—Total 1715 tons.

WATSON AND CUELL'S MINING CIRCULAR

WATSON AND CUELL, MINING AGENTS, STOCK AND SHARE DEALERS, &c. 1, ST. MICHAEL'S ALLEY, CORNHILL, LONDON.

MESSRS, WATSON AND CUELL having made arrangements

MESSRS, WATSON AND CUELL having made arrangements for transferring their weekly Circular, which has had so large a circular during the past ten years, to the columns of the Mining Journal, their special eports and remarks upon mines and mining, and the state of the share market, ill in future appear in this column.

In the year 1843, when Cornish mining was almost unknown to the general abile, attention was first called to its advantages, when properly conducted, in e "Compendium of British Mining," commenced in 1837, and published in 1843, y Mr. J. Y. WATSON, F.G.S., author of "Gleanings among Mines and Miners," Y. Y. J. Y. Arrison, F.G.S., author of "Gleanings among Mines and Miners," (second series, 1863), "Cornish Notes" (first series, 1862), "Cornish lotes" (second series, 1863), "The Progress of Mining," with statistics of the lining Interest, annually for 2) years, &c., &c. In the Compendium, published is 1843, Mr. WATSON was the first to recommend the system of a "division of nall risks in several mines, ensuring success in the aggregate," and Messrs. ATSON and CUELL have always a selected list on hand. Perhaps at no former cried in the annuals of mining has there been more peculiar need of honest and sperienced advice in regard to mines and share dealing than there is at present; and from the lengthened experience of Messrs, WATSON and CUELL, they are no boldened to offer, thus publicly, their best services to all connected with mines the market, as they have for so many years done privately, through the meanm of their own Circular.

the market, as they have for so many years done privately, through the memoritheir own Circular.

Mesars, WATSON and CUELL transact business in the purchase and sale of ning shares, and other securities, payments of calls, receipt and transmission divitiends, obtaining information for clients, and affording advice, to the best their knowledge and judgment, based on the experience of more than 30 years live connection with the Mining Market.

Messrs, WATSON and CUELL also inform their clients and the public that y transact business in the public funds, railway, docks, insurance, and every let description of shares dealt in on the Stock Exchange.

Messrs, WATSON and CUELL, are also daily asked their opinion of particular nes, as well as ""ccommond mines to the best of their judgment and ability, inded on the oest practical advice they can obtain from the mining districts, they will not be held responsible, nor subject to blame, if results do not also equal the expectations they may have held out in a property so fluctuation mining.

as mining.

Messrs, WATSON and CUELL having agents and correspondents in all the mining districts, and an extensive connection among the largest holders of mining property, have the more confidence in tendering their advice on all matters relating to the state and prospects of mines and mining companies, and are able to supply shares in all the best mines at close market prices, free of all charge for commission.

DRAKE WALLS, AND PRINCE OF WALES.—("J. R.")—The lode of Prince of Wales runs cast and west, and nearly through the centre of West Drake Walls sett, which immediately addons Prince of Wales to the east, and the rich course of ore is running towards it, though at present some considerable distance from the boundary. We understand the lode has been cut good in West Drake Walls, and this accounts for the great number of shares that have lately been picked up in Drake Walls; for West Drake Walls belongs to and is a part of Prake Walls, and may possibly ere long be worked separately on the Prince of Wales lode. In this case a holder of a share in Drake Walls would have one in Wales lode. In this case a holder of a share in Drake Walls would have one in Water Drake Walls at part, and keep the same interest in the old mine, which has been very productive for tin, and with a rise in that metal may again become a paying mine. Formerly the mine paid good dividents, and a history of it will be found in Mr. Watson's "Cornish Notes," second series, published in 1863. At that time the mine was making a profit of about 300, per month. Referring to Prince of Wales, in the same Notes, in June, 1863, the writer said—"No one can doubt that the mine is a cheap and fair speculation."

"A. W. C." (Bath).—No. 2 sell; hold others for a time.

"J. J."—There is, we think, every probability of tin going up.

"A. J. H."—1, 2, 3, 4 may all do well, especially with a better price for tin and copper. For a rise we should prefer 2 and 3; 4, we fancy, has seen its highest for the present. DRAKE WALLS, AND PRINCE OF WALES,-("J. R.")-The lode of

resent. OR—'A Shareholder."—The lode will soon be cut in the 62, and if yood as indications hold out, there will be a great rise in shares. Of have been very low, and also reduced to half the original number by sand relinquishments. At a shallow level the lode was a very fine one, it was in disordered ground. Our own idea is that a good lode will be shares may see 20s. or 30s. And that many others think the same may or the number of shares that have been quietly picked up of late. "—When the lode was cut good in the 45 at Prince of Wales, shares so, and it was said by "practical men" they would reach 54, if it held to the 55. The 55 has now been cut richer than the 45, and the mine d as a good property; but every means have been taken to put down of shares, so that large purchases might be made at a low price. Those followed our advice in this mine have done we'l, and will yet do better followed our advice in this mine have done we'l, and will yet do better

MINERAL PRODUCTS OF SPAIN .- Among the richest mines in Spain retains. In the province of Mureia more than 1200 mines are being worked to present the and those that have been opened within the last few year ing more than 1 per cent, of silver. The mines of theore, the lead-coning more than 1 per cent, of silver. The mines of Vigen del Carmen, Observed importance. The mines of La Carmen annually produce 20,700 tons of crais; Las Animas produces 1200 tons, the value of which may be estimated 1,5001. The annual produce 1200 tons, the value of which may be estimated 5,5001. The annual produce lon of the mines of La Estrella may be valued 5001 16,0001. The other mines produced like quantities. Those of Linares, property of State, and worked by Government, are also deserving of notice number of workmeamployed in the mines in the province of Murcia amounts sarly 11,000, and they produce annually about 416,6601. The principal smeltworks establishes at Carthagena employ more than 3000 persons. The principal tim mines in Spain are those of Galicia and Asturia, and the production to be considerable. Zine is also very abundant in the provinces of Guipuzal Manual annual a

EMERY .- So far as known, there are but two mines of emery in the world, one at Chester, in Rampden county, Massachusetts, and the other classical little Island of Naxos, in the Eggan Sea. The latter has bee trolled by an English house, and they have always charged their own pr

DISCOVERY OF GOLD IN NORTH BRAZIL.-The development of the ibroushout that province. The geological features of the country are extraordinary. Nature here seems to have been at work for ages, doing the works of the miner, and having bared the primitive rocks from the foot of Serra Grande for many miles in extent, quartz veins, hearing gold, are readily accessible, obviating the necessity of sinking deep shafts to reach the lodes, which are in many instances so scious an item of expense in their development. From samples of quartz reaching received from Ceara, and which have been tested, the yield of gold fully hears out the previous reports of the auriferous richness of the quartz veins that are to be met with traversing that country in almost every direction. These features cannot fail to attract attention to Ceara at no distant date. By our file of Brazilian newspapers, we observe that a concession has been recently granted by the Brazilian Government for working mines for the term of ninty years, at a nominal royalty, with the importation duty free of mining implements for five years from the date of commencing work.—Brazil Matt.

MEANING OF THE TERM CANNEL COAL.—It observed large quan-

MEANING OF THE TERM CANNEL COAL .- I observed large quan-MEANING OF THE TERM CANNEL COAL.—I observed large quan-ties of the Cannel coal, and took some pains, both here and subsequently at endail. St. Helen's, and other places, to obtain the meaning of the term. A nesiderable quantity is procured at St. Helen's, though the greater quantity wes from Wigan. It is dug out of the same shafts with ordinary coal, but lets in different seams. It appears to be a substance between the ordinary coal of jet. In Liverpool and elsewhere it is advertised by boards and placards— Coal and Cannel sold here." It is invariably speit "Cannel." If it has really sen its name from Kendal, the people of the town are not aware that it has y such origin: neither is there any reason that it should be called "Canal al." It having been day before canals were adopted, and transported together this larger quantities of ordinary coal. It seems to be the general opinion that coal." It having been dug before can als were adopted, and transported to with larger quantities of ordinary coal. It is seems to be the general opinic having been used to light the men at their work, and serving as a candle came by corruption "Cannel" coal. It is singular how soon words and perep into use, and totally obliterate every recollection of the cause the duced them.—Tour through the Manufacturing Districts.

LONDON GENERAL OMNIBUS COMPANY,-The traffic receipts for

NEW WORK ON COAL MINING.
Just published, in one volume, post 8vo., illustrated, price 7s. 6d., cloth,

TREATISE ON COAL AND COAL MINING By WARINGTON W. SMYTH, M.A., F.R.S., thicf Inspector of the Mines of the Crown, and of the Duchy of Cornwall. "Contains an enormous amount of really useful practical information, conveyed in a popular and interesting manner. The work cannot fall to flud a large class of readers."—Mining Journal.

London: Virtue and Co., 26, Ivy-lane, Paternoster-row.

Notices to Correspondents.

• Much inconvenience having arisen in consequence of several of the Number during the past year being out of print, we recommend that the Journal should be filed on receipt; it then forms an accumulating useful work of reference.

BISMUTH.—If your correspondent, "T. W.," will apply to us, we can give him information about Bismuth.—LISTER AND BIGGS: Laurence Pountuey-hill. NEW BAMPFYLDE.—In last week's Journal, in the statement of copper ores soli at the Cornwall ticketings for the quarter ending December, 1865, it is stated Bampfylde, 139 tons, 671, 15s, 6d. This is an error: it should be 139 tons 1398, 15s, 6d.—JOSEPH POPE.

1398f. 158. 6d.—JOSEPH POPE.

OLLIERY EXPLOSIONS—THE MORPA COLLIERY.—Mr. W. Gray, the manager of the Morfa Colliery, in reply to the remarks of "Colliery Manager," in last week's Journal, states that he was not the writer of the letter signed. "Thomas Gray," and commended upon; and, though he has no desire "to see blimself in print," It may be necessary to state this for the information of "Colliery Manager" and the public. At the same time, be suggests that if "Colliery Manager" altered his tone of writing (o-pecially as it is quite clear that accidents occur in all parts of our great mining country, as well as in the colliery altinded to), he would think it more likely that Mr. Thomas Gray would follow up his own letter.

HARE DEALING.—We never interfere in the sale or purphase of shares, nothing

UIABE DEALING.—We never interfere in the sale or purchase of shares; noithed do we recommend any particular mine for investment or speculation, or broker through whom business should be transacted. The addresses of most of the latter appear in our advertising columns.

THE MINING JOURNAL,

Railway and Commercial Gazette.

LONDON, JANUARY 26, 1866.

Co-operation or partnership between master and man-whether "to be or not to be," is one of paramount importance at this moment, when the public at large are discussing the question of Trades Unions and Strikes, and the consequences ensuing. If there be any merit in the voluminous communications of Messrs, CREED and WILLIAMS, it is the fact of having directed attention to the several points now un-der consideration, both on the side of the master as well as the man, but in every other respect we consider their arguments fallacious, and their general deductions without correct data, while the main object of their letters being to show the deteriorated position of our iron trade through foreign, especially Belgian, competition has most signally failed; for the statistical evidence adduced by various correspondents prove the results to be the very reverse. It is, therefore spondents prove the results to be the very reverse. It is, therefore superfluous to dwell further on this head, but it is essential to say a few words as to co-operation in trade—especially in the iron trade few words as to co-operation in trade—specially in as not yet suffi-Messrs, CREED and WILLIAMS consider the principle is not yet suffi-ciently tried, and the benefit problematical; but in this respect also Messrs, CREED and WILLIAMS consider the principle is not yet sun-ciently tried, and the benefit problematical; but in this respect also we join issue with these gentlemen, and cannot see any very serious difficulty in its general adoption. It is true that a captious man might annoy by disputing the correctness of balance-sheets placed before the employed by the employer, and requiring investigation of accounts; but we can scarcely believe that this would be anything more than a rare exception to the rule, particularly when the men have once become recipients of partnership benefit, as well as having had proper wages, as of old. Until the men obtain their portion of the profit, and have to support their families on nominally reduced wages, it is possible that the masters may have difficulty in con-vincing them of the ultimate advantage to be derived; but even this might be readily overcome by giving extra weekly payments to the men until division of profits accrue, to be deducted from such profits, just as "subsist money" is given in the mining districts of Cornwall and Devon, where the men are paid by the month, and a month's pay is always in hand, so that a new man does not get the balance of his first month's pay until the end of the second. We look on the cofirst month's pay until the end of the second. We look on the cooperative principle as one of great importance and advantage on
both sides. Its adoption will render masters independent of strikes,
for, necessarily, the men who have a portion of the profits will not
strike for higher wages, which would simply be a deduction from
their profits; while it would be a "heavy blow and great discouragement" to the present pernicious system of Trade's Unions. It is quite
clear that the trade has suffered from the manner in which, it is now supposed, the master is at issue with the man and the man with the master, and some plan must be devised to place both on a proper and equitable footing. One cannot do without the other, and we see no equitable footing. One cannot do without the other, and we see no better way of adjusting existing differences than by giving the men an interest in the profits of the master. A writer on the subject appropriately says—"Their usual relation is one of armed peace, interrupted by frequent attacks of open hostility;" whereas by the proposed armanagement has record as a factor of the proposed armanagement has record as a factor of the proposed armanagement has record as a factor of the proposed armanagement has record as a factor of the proposed armanagement has record as a factor of the proposed area. rupted by request the posed arrangement harmony and good feeling would be the ge-characteristic on both sides. Co-operation has been tried in se branches of British industry with good results, and there is no solid

Messrs. Fox, Head, and Co., of Middlesbro', have determined to Messrs. FOX, HEAD, and Co., of anothers of the system of co-operation, under the fullest impression, on their part, that it will work well, and "being under the conviction," as they state, "that the present disastrous dispute is really the result of a want of identity of interest between master and man." They have want of identity of interest between master and main. They have forwarded us a copy of the resolutions under which they intend to proceed, which are based on equity, and embrace all points. The rules in detail are too long for insertion rerbatim in an article of this

sproceed, which are based on equity, and embrace all points. The rules in detail are too long for insertion rerbatim in an article of this nature, but the following is the spirit of each:—

1.—That both parties shall withdraw from all trade combinations; the men renouncing the Union, the capitalists withdrawing from the fronmasters' Association.—2. Wages are to be paid at the accepted rate of the trade, subject to subsequent special agreement.—3. It is necessary that, in dividing profits with the workmen, good and bad years should be taken into account. Accordingly, interest on loans, and 5 per cent, on capital, is to be a regular annual chargeout the concern, to be defrayed out of profits, if any; if not, to be carried to the debit of the next year's profit and loss account. Thus the men will share loss as well as profits. A deduction of 2½ per cent, on the value of the works is next to be carried to a sinking fund, until that fund shall amount to 12½ per cent, on the value.—4. The capital invested is when profits suffice to receive a total dividend of 10 per cent. (interest included). All profits above this amount are to be divided equally between capital and labour; the labourer receiving his share in the form of a bonus proportioned to his carnings. Thus, if the profits he less than 12½ per cent. (or, when the sinking fund is filled up, 10 per cent.), the labourers receive nothing. If the profits be 17½ (or 15) per cent., they receive, and wages paid during the year to 86001, each man would receive is, 3d. in the pound on his carnings; and the man who had carned 801.—rather over 30s. a week—would receive 5t, bonus. Apparently with a view to prevent suspicion of dispute, it is provided that those who may not work for the whole year shall, nevertheless, receive a dividend proportionate to their carnings. Thus, if a man work slx months, and carns 40t, his bonus would be 21.0s.—6. In order to assist the steady saving agents or workmen to become themselves capitalists, the firm will allow all such to invest in t nature, but the following is the spirit of each :-

Altogether, the movement is one of national importance-indeed, Altogether, the movement is one of national importances, on the tranquillity of the mining districts depends, more or less, on the issue, for present arrangements cannot continue; and surely if Unions the amount has increased still further since the new year common

be renounced by the men, and Ironmasters' Associations dissolved, wonderful and, we sincerely believe, a most beneficial change will have been effected, not only for the good of the masters and the men but for the country generally.

THE NORTH STAFFORDSHIRE COLLIERY EXPLOSION.

The deposition of evidence in the North Staffordshire colliery explosion, at Talke, whereby 91 persons lost their lives, was virtually completed at the date of the last adjournment; for although an opportunity is being given to Mr. M'DONALD, secretary to the Miners Union in Scotland, to prove his allegation that the pit had been in a fearful state for months, it is not probable that the jury will receive much enlightenment from that quarter, it being understood that Mr. M'DONALD is not prepared to do more than hand over a copy of the information supplied to him, which, of course, will not be admissable as evidence. It may, therefore, be taken that we are now in possession of all the facts, and are enable to form a tolerably correct The deposition of evidence in the North Staffordshire colliery ex. information supplied to him, which, of course, will not be admissable as evidence. It may, therefore, be taken that we are now in possession of all the facts, and are enable to form a tolerably correct judgment as to the two-fold origin of the calamity—a dangerous accumulation of the gas, and the ignition of the deadly compound. It appears, then, that the explosion took place on Dec. 13, in what is known as the Seven-foot Banbury, a seam of notoriously fiery properties. The mine in question dips due east and west, at an inclination of one in four, and the upeast and downcast shafts are situated low down the incline, and on the south edge of the workings. It is estimated by competent persons that at the time of the accident 25,000 cubic feet of air passed into the mine, by the upeast shaft every minute. Mr. Evans, the Government Inspector of the Midland District, questions whether one-fifth of this quantity actually passed through the workings, but his colleague, Mr. Wynne, the Inspector for North Staffordshire, seems inclined to admit that the quantity of air sent through the mine was sufficient. This, however, appears to be undisputed—that the air was carried in one current quantity of air sent through the line was sumerent. This, nowever appears to be undisputed—that the air was carried in one curren along the whole of the rise workings, and back through the deep workings to the upcast shaft. Here we have the first element in the workings to the upeast shart. Here we have the hist element in the catastrophe—a fiery mine ventilated by a single current of air, carrying into and through the deep levels the gas given off from 20 working faces of coal. Nevertheless, the balance of the scientific evidence. ing faces of coal. Nevertheless, the balance of the scientific evidence is decidedly in favour of the hypothesis that, other things being equal, the mine, with this amount of ventilation, would have been practically safe; but the gravaumen of the complaint made by the official Inspectors against the management is that the air sent into the mine was not skilfully directed. The evidence in support of the aliegation is, primarily, that in order to meet the demand for coal the deep levels were pushed forward with culpable haste, sufficient provision not having been made for their ventilation. In the early part of last year the back dip, by which these deep levels might have been easily ventilated, was drowned by a flow of water in the mine, but the water was pumped out by Aug. 11, when it was discovered the been easily ventificated, was drowned by a flow of water in the mine, but the water was pumped out by Aug. II, when it was discovered that the floor had been so swollen by the flood that it would take some months to restore the air-passage to its original capacity. It was therefore, decided to drive an upbrow instead. Mr. WYNNE contend therefore, decided to drive an upbrow instead. Mr. WYNNE contend that this was unskilful—that the back dip ought to have been cleare out before anything else was done. On the other hand, all the othe scientific witnesses (Mr. Evans excepted) considered that the mana gers adopted by far the wiser course in driving the upbrow. The second ground of complaint against the management is that the tire ventilation of the deep levels, if not of the whole of the work. tire ventilation of the deep levels, it not of the whole of the work ings, into which it must be remembered the return gas-laden air was earried from above, depended upon a single door on the main jis brow, the tramway by which the coals were carried from the ri-levels to the bottom of the shaft. Here, again, the non-official se entific evidence is favourable to the management, though one get tleman of great experience thought "an oversight" had been con mitted in the matter of the single door on the jig-brow. Mr. WYNXI however, submitted that a very grave error in judgment had be committed, for, as it was, everything depended upon this door being kept closed, and to say nothing of the leakage caused by the passage through it of 13 or 14 trams of wagons every hour, any a venting its being closed for a quarter of an hour would have be sufficient to divert the air-current, and convert the lower workin sufficient to divert the air-current, and convert the lower working into a slumbering volcano. Such a casualty actually befel. One morning of the explosion a tram of wagons ran off the rails in the very doorway. It was impossible to close it for 15 or 20 minute the life-sustaining current was diverted from the lower working and hence we have that accumulation of fire-damp which, as we have

and hence we have that accumulation of free-damp which, as we has said, was the first thing to be accounted for.

The fearful laxity of discipline in the pit explains the rest. Give a fiery mine, subject to the contingencies we have mentioned, when the men were in the constant practice of smoking, and removing a protective gauze coverings from their safety-lamps: of firing charges the state of the safety-lamps of the safety-lamps. gunpowder at their own discretion, where the use of gunpowder all is strongly condemned by the most experienced witness here the firemen themselves carried naked lights in the return a where the fremen themselves carried maked nights in the return a and allowed the men to go to work in places known to contain g on the vague understanding that they were to brush it out for the selves: given all this, and the wonder is, not that an explosion to place, but that it did not happen long ago.

place, but that it did not happen long ago.

With regard to the question of responsibility, the official Inspecors, the only witnesses, it should be remembered, who reflect upon management, do not impute criminal negligence; but they also very serious errors of judgment, and that the frightful laxity of cipline, of which the managers declare themselves to have been norant, ought to have been known to those who had the power bringing offenders to justice. On the other hand, it is only fair say that the men, in their fatuity and madness, exercised extraord nary ingenuity in order to keep the managers in ignorance of the constant violation of rules framed to secure their own safety,

THE NORTH OF ENGLAND IRON TRADE.

The ron trade of this new district has undergone a severe trialding the last sixmonths, owing, first of all, to the failure of Overest Gurner, and Co., and of certain contractors heavily engaged we manufacturers for rails and other railway iron; and, secondly, to prolonged strike of the ironworkers, which has driven a consideral amount of business from the locality into Staffordshire, Wales, we religious. The computer supposition of work in the forces and we amount of business from the locality into Staffordshire, Wales, as Belgium. The complete suspension of work in the forges and mi has had a material influence upon the pig-iron trade, as the Clevelsi ironmasters depend, to a great extent, upon local consumption, the North of England district we find that there are about 1200ps dling furnaces, which, if in ordinary operation, would require 6008 tons of pig-iron per annum. During half of the year, therefore, makers of pig-iron have found their stocks increasing, and the con-quence has been that low prices have for a long time prevailed, year ago the district was highly inflated with the prospect of a ki gow speculators, who were the parties to the famous "rig." I gow speculators, who were the parties to the famous "rig." I'm continued to advance, indeed, until the collapse came, but it sho to noted that, as far as Cleveland was concerned, the high rates which sales were effected were purely fictitious, and in the endths makers who had entered most extensively into those speculating. makers who had entered most extensively into those specular transactions had to suffer great losses—losses, indeed, which farm than reduced the actual receipts to what they would have been in the trade gone on in its ordinary way. More than this, the make seeing the high range of quotations from time to time, and finds everybody doing a brisk trade, demanded a great advance in was and in the end secured it for a time, so that the iron cost much make the produce than had been the case proviously. All these thins was and in the end secured it for a time, so that the iron cost much me to produce than had been the case previously. All these things against the makers, and we suspect some serious losses were incumed but the masters determined in July last to bring down wages to the normal levels. In this they did not succeed until a strike had applace, for four weeks in some cases, and longer in others; and, in the black for no wages were. place, for four weeks in some cases, and longer in others, and meantime, the blast-furnaces were "damped down"—that is filled with coke and covered up, so that no atmospheric air cos in to push on combustion.

Notwithstanding the fact that nearly a dozen furnaces were

Notwithstanding the fact that nearly a dozen turnaces were out of blast entirely for a time, the make has gone on increase over the consumption; and at the end of the past year the amos in store was above 60,000 tons, while a larger quantity was in make hands. This was a very heavy stock for the Cleveland district.

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The production is now only equal to about three-fifths of the capacity of the locality, owing to the number of furnaces out of blast. The low range of prices during the autumn and early winter was generally attributed to the stoppage of the malleable ironworks, but when these were again put in operation it was manifest that this was not the entire cause of the prevailing dulness. When the strike was thiefly over, a little briskness sprung up, and hopes were entertained that a speedy revival of trade would take place. A few weeks, however, dispelled these anticipations, and brought down the prices to their former level. At the present time there is hardly any possibility of arriving at the exact state of prices, as a good deal of underselling is going on; but this may be said, that if no improvement takes place very soon, some of the furnaces will be put out, as it is clear the rates now accepted in certain quarters are completely unremunerative. With the heavy stocks on hand and the number of furnaces out of blast, it is not likely that we may expect anything beyond a quiet trade for some time to come—most probably, indeed, for the whole year.

The manufactured iron department is also exceedingly dull. Rails are now taken at such low rates by the Websh masters that they are ble to monopolise the orders. That district always is in a position to make a harvest when there is a scarcity of orders, as it can manufacture iron cheaper than any other locality, mainly owing to the low wages which prevail there and the cheapness of fuel combined. The shipbuilding trade of the northern rivers has been very much depressed for a considerable period, and still continues dull. Thus the rail-mills and the plate-mills have only been kept partially in operation since the close of the strike. Even those houses which had extensive contracts uncompleted have been kept back by the rail-mills and the plate-mills have only been kept partially in operation since the close of the strike. Even those houses which prevail there are more en f their late strike.

CONTRACTS ACCEPTED BY THE MERSEY DOCK BOARD.—The Mersey Dock Board, at their meeting yesterday, decided to accept the tenders of Messrs. Wainwright Brothers and Co., for iron buoys, at 18*l*., and anchor buoys at 7*l*.; of Messrs. H. P. Parks and Co., to apply mooring shackles at 44d. per lb., and mooring swivels at 53d per lb.; and of Messrs. Moss and Co. for the supply of a quantity of brass tubes. It should be understood that these tenders are open to the trade generally, and are not merely local.

MINERAL TRAFFIC ON SECONDARY RAILWAYS.—We continue our recapitulation of the quantities of coal and minerals conveyed over secondary railways in 1865. The North and South Western Junction carried 247,699 tons: the North London, 668,322 tons; the North Haffordshire, 840,375 tons; the Redruth and Chacewater, 91,298 tons; the Rhymney, 1,769,822 tons; the Sirhowy (half-year only), 213,087 tons; the South Devon, 132,810 tons; the Swansen Vale, 481,729 tons; the Taff Vale, 3,196,588 tons; the Whitehaven and Furness Junction, 768,071 tons; the Whitehaven, Cleator, and Egrenont, 787,877 tons; the Whitehaven Junction, 275,843 tons; the Great North of Scotland, 201,556 tons; and the Scotlish North-Ea tern (now merged in the Caledonian), 482,281 tons. Some of hese lines, although small concerns, pay excellent dividends, a relatively large mineral traffic being a very profitable element of business. MINERAL TRAFFIC ON SECONDARY RAILWAYS,-We continue our

ively large mineral traffic being a very profitable element of business.

Coal in the Brazils.—In the National Exhibition are some coals from the Tubarao basin, situated in the southern extremity of the province of Santa Catharina, S. lat. 28° 5″, long, 6° W. of Rio de Janeiro, distant 45 miles west from the scaport of Laguna. The existence of coal in this district has for some years been an established fact, and the Belgian explorer, Van der Lede, in 1842 visited and reported upon some veins visible upon the route from Laguna to Lages; but in 1861-2 a practical exploration was carried out by the exhibitor, with an experienced coal viewer from Lancashire, and two foreign engineers, who drove levels and sunk pits over an extensive surface, striking nine beds of coal, in different qualities, of feet thick, underlying a sandstone formation, all nearly horizontal, and elevated above the River Tubarao and its affluents, which water the undulating forests that cover this uncared-for wealth. One adit disclosed a 15-ft. scam, containing 10 ft. of hard coal, not unlike cannel coal, lying almost horizontally, which was traced for womlies. Other levels and pits showed more bitaminous, but smaller, veins, from 2 to 4 feet, of which the analysis has been very high in heat-producing qualities. Thirty-seven miles of easy tramroad along the Tubarao Valley alone is wanting to convey this enormous wealth to a port in the river, where large colliers could at once transport it to supply the whole eastern coast of this continent, now demanding hearly 300,000 tons of this fuel annually, for which the country is ributary to England, at four times the cost at which it might be extracted. Such a road would also open out the most fertile and temberate region in Brazil, and carried 20 miles further would enter the celebrated, Campos Geraes, where thousands of acres of pasturage feed the numerous herds of cattle which now find difficult and properate region in Brazil, and carried 20 miles further would enter the selebrated, Campos Geraes, where thousands of acres of pasturage feed the numerous herds of cattle which now find difficult and proonged land transit through San Paulo to this market. As it is, the weary traveller having forced his way for days up rivers and through orests, stands on an eminence 50 miles from the Atlantic, and gazng over waving forests sees no sign of man, but the thin blue line of moke that marks the fire of the Indians, against whose possible viocace he has been counselled to carry arms, and he wonders that the seading and intelligent Brazilian has not yet disinterred the sleeping glant, the father of steam, that lies so near to his reach, and made his work to fertilise a country whose soil, climate, and mineral wealth have no rival out of Great Britain.

THE GLACIAL PERIOD IN NORTH AMERICA.—The "Transactions" the Nova Scotian Institute of Natural Science contains a highly teresting paper on this subject, by Mr. Thomas Belt, giving the related of observations made by him during the progress of the exploitory works of the Nova Scotia Gold Company, carried on under is direction. In alluding to the glasiated rocks and drift beds of rection. In minding to the grashited rocks and drift beds of Scotia, he maintains that the drift, had it been dropped from g leebergs on a submerged land must have levelled when, the elevation place, it was exposed to the action of the waves on the spreading coast Mr. Belt accounts for the poverty of the gold deposits of Nova Scotia by sence of true alluvial deposits in that province. He observes that through of the drift grain gold is sparingly disseminated, and its distribution ie. Mr. Belt accounts for the poverty of the gold deposits of Nova Scotia hy the absence of true alluvial deposits in that province. He observes that through uch of the drift grain gold is sparingly disseminated, and its distribution fords another argument in favour of the supra-marine theory. In Australia, I the most important deposits of alluvial gold have been found in valleys kings mediately above the bed rock, beneath beds of gravel and clay; wherever surce washings have been discovered much richer deep sinkings have been found the vicinity. This, indeed, seems to be a necessary result of the sorting argument of water. But in Nova Scotia, though denuded auriferous quartz negement of water. But in Nova Scotia, though denuded auriferous quartz negement of water. But in Nova Scotia, though denuded auriferous quartz the are abundant, no similar deposits have been found with one exception, to consideration of which I will return. The gold, instead of being concented at the bottom of the superficial deposits, is either distributed throughout em, or occurs in greater abundance at the surface than below. The great the store of the gold washings in Australia, and their scarcity and poverty in va Scotia, notwith-tanding the abundance of auriferous lodes that have been nuded, may be thus explained:—In Australia the demuding agent was water, eith carried off the ground up rocks, but left behind the gold; so that in the avel beds nearly all the gold, but only a small proportion of the original rock as, is left. In Nova Scotia the denuding agent was glacler ice, which carried alike the stony massess and their metallic contents. The drift beds left con only the same proportion of gold as existed in the original rock mass, exting where subserial denudation has concentrated it on the surface. Perhapsidiments older than the glacial period, and which have escaped destruction ring it, or in the beds of existing streams, or on the present sea coast, deporing it, or in the beds of existing streams, or on the present sea coast,

bed, and re-arranging its materials. It grinds up the stones to shingle, and finally to sand and mud, which it carries off to deeper water, leaving behind the tough, heavy gold. This is found at the bottom of the shingle between tide marks, on the surface and in the crevices of the hed rock, where the gold formerly distributed throughout a large mass of drift has been concentrated. Now, if the commtry had been submerged during the deposition of the glacial drift, every part of it, during its subsequent elevation, would at some time have formed a portion of its ever-advancing coast line, and been subjected to the action of the waves; and such deposits as those of Lunenburgh, instead of being confined to the present shore, would have been formed all over the emerging land. The paper contains a vast amount of interesting information, which can be very profitably studied by all engaged in the search for and treatment of gold.

MINING, METALS, AND MINERALS - PATENT MATTERS.

By M. HENRY, Patent Agent and Adviser, M. Soc. Arts, Assoc. Soc. Eng.

MINING, METALS, AND MINERALS—PATENT MATTERS. By M. Henny, Patent Agent and Adviser, M. Soc. Arts. Assoc. Soc. Eng. Applications for Patent have been made by the following, amongst others:—No. 75, KENDRICK, Walworth, furnaces and fire-bars.—No. 76, KOWAED and BOUSPIELD, Bedford, thubular steam-boilers.—No. 77, Couner (communicated to me from Paris), beton, and its applications.—No. 79, Dr. Buss, Shoreditch, marine structures, embankments, sea-walls, &c.—No. 80, Tomlinson, Manchester, ovens and furnaces.—No. 82, WEBSTER, Birmingham, DEANE, London, and RUMBLE. Sheerness, metallic zinc paint.—No. 77, Blagger, Hackney Wick, separating silver from lead (communicated from Marquez-Millan, of Marseilles).—No. 101, Hocking, Poplar, condensing smoke and vapours.—No. 111, Clayton, West Bromwich, melting and refining furnaces.—No. 112, MERS, Poole, ventilating mines.—No. 123, BARKER, Northfleet, mixing, pressing, and moulding coal, and dividing tirno boles, &c.—No. 127, SMITH, Halifax, making wire articles.—No. 128, Lietar, Brussels, composition for welding iron and steel.—No. 133, WELDON, Highgate, chlorine, and production of artificial peroxide of manganese.—No. 139, BATE, SMETHWICK, and ASHER, Birmingham, moulds for fenders, &c.

A Patent has been taken by W. J. and H. HARRISON, for machinery for hammering cytinders and other articles of sheet metal, particularly applicable to the manifecture of copper, timed iron, and other sheet metal subrantely of stampers or hammers, which are raised in succession, by cams arranged spirally upon a siatt. These stampers or hammers drop by their weight, and the force of the blow is regulated by the varying position of the cam-shaft, or by moving the stade sagaiot which the cam act. When the cylinder is hammer as to brink the other protions of its surface under drop by their weight, and the force of the blow is regulated by the varying position of the cam-shaft, or by moving the stade sagaiot which the cam sea the mean sea of the stade sagaiot which the cam sea the mean sea of the stade

of Homerton, to whose pamphlet on the subject reference was made in one of my preceding articles.

It is not as yet possible to form a definite opinion as to the working of the new regulation relating to the deposit of abridgements of provisional specifications, to which reference was made in a preceding article; nevertheless, it is earnestly to be hoped that the deposit of such abridgements will not promote the tendency—observable of late—to insert or to require in a provisional specification for their particulars than those which are comprised in the statutory condition, which defined a provisional specification to be a statement of the nature of the invention sought to be secured. M. Nordert Bell-vallette has applied for a patent, through me, as a communication, for means whereby the took, implements, or operating parts of machinery or apparatus may be moved to and worked at various parts of the surface or article on which they are to operate. It may be conceived that an apparatus of this kind will be especially useful in many of the operations for the manufacture of metal articles, in which the practicability of moving the tool or working part of the instrument is a desideratum, on account of its remedying the inconvenience of having to move or adjust the article or material operated upon, in order to get at various different parts of its surface from time to time as the work proceeds.

The statute of William the Fourth, by which the possibility of extending patent privileges beyond the first term of fourteen years was conceded to patentees, has been of late rather frequently put into practice. Mr. MALLET, the engineer, has recently obtained an extension for four years of his patent, taken out in 1852, for improvements in fire-proof and other buildings and structures.

FOREIGN MINING AND METALLURGY.

The movement of affairs in connection with the Belgian coal trade has experienced a slight diminution; nevertheless, orders are numerous, and deliveries very active. It may be presumed that the change observed in the temperature during the last fortnight will, if the cold continues, secure the same abundance of orders which has previously provailed. continues, secure the same abundance of orders which has previously prevailed. A circumstance worthy of remark may be mentioned—viz., that the extractors of the Charleroi basin have for some time since refused to conclude long-termed contracts, while the last advices report that some of these affairs are in course of negociation. In the Liége basin extractors would be very desirous to conclude these engagements, even at some sacrifices; but in this group consumers obstinately persist in supplying their requirements only from day to day, waiting for more favourable prices before entering upon contracts of long duration. Meanwhile, prices preserve a great firmness, and the demand is always very considerable. In the basin of the Couchant de Mons the aspect of affairs is the same as in preceding weeks, and prices, upon the whole, maintain themselves at their former level. There are now 63 mines in the coal basin of the Ruhr (Prussia). Since October large numbers of Belgian purchasers have presented themselves for Ruhr coal, and prices have advanced in consequence, but only to a slight extent at present. Three lines of ratiway accommodate the Ruhr bash—vlz. the Cologne and Minden, which runs along the northern part of it; the Rhenish Railway, in course of execution, and in working as far as the town of Essen; and the Bergisch and Markisch, which runs along the southern portion of it. These three lines are nearly parallel to each other, and they cross the Rhine—the first at Cologne, the second at Rheinhausen, and the third at Ruhrort. They sustain naturally a very great competition with each other, especially as regards deliveries towards the West—that is, towards Belgium. Each of the three companies has published a reduced tariff for transports of 150 tons, at the least, to Belgium. Notwithstanding this, a certain mutual distrust seems to exist between Prussian producers and Belgian consumers,—a distrust which has of late checked business.

The Charleroi Committee of Forgemasters has taken an important step. The number of blast-furnaces lighted is reduced to 22. Was will be reduced 10 per cent., and the forgemasters will come to mutual understanding to seek combustible abroad: first in Prussia, and then perhaps, in France. The simultaneous extinction of five blast-furnaces will bring on the coal market a rather considerable amount of combustible, which the current demand is not expected to immediately absorb. In the spring it is expected that the extraction of coal in Relgium will become of a less pressing character, and the coal mining companies will in that case be enabled to extend their workings so as to be in a position to respond to the requirements of the following winter. The state of affairs Belgian metallurgy has had to sustain during the last few months was, in fact, intolerable, a fall in pig having occurred almost simultaneously with an advance in coal. In the Centre and in the Liege bash important reductions of wages have been applied, and in the latter group only 11 blast-furnaces are in activity: it is long since the number was so limited. The rolling mills producing rails are provided with orders, which assure them work for a certain time, but no new affair presents itself even in perspective. The construction workshops are in the same position, and some of them which have no important orders to execute are altogether destitute of employment. The Belgian General Water Conduit Company has just concluded a contract with a French company with reference to the distribution of water at Barcelona. The amount of the contract is 260,000%, and the greater part of the metallic work, which the Belgian General Water Conduit Company is to execute, is to be carried out in the establishment which the company commenced mutual understanding to seek combustible abroad; first in Prussia

the payment on Jan. 15 of interest for 1886, or 16, per share. The Mulhelm-sur-Ruhr Mines Company will meet on Tuesday at Mulhelm.

The importations of 1866 amounted to 423,900 tons. Belgium sustained cleven months of 1866 amounted to 423,900 tons. Belgium sustained with 160,900 tons.; Italy, with 1860 tons, seeman, with 57,000 tons; and general France, of which 38,780 tons were consumed in the grant of the supply was derived from miscellaneous sources. During the same period 125,732 tons of pig entered France, of which 38,780 tons were consumed in the greatest part of these imports. Of Iron 7200 tons were imported, after payment of duties, while 29,165 tons were admitted free of duty; 12,260 tons of the supply was derived from the properties of the payment of duties, while 29,165 tons were admitted free of duty; 12,260 tons of iron increased 54 tons, and those of plates also experienced a slight augmentation. The resports made after the application of manual labour amounted to 15,000 tons, as compared with the corresponding period of 1862; 25,255 tons of iron, showing an augmentation of 11,500 tons, as compared with the corresponding period of 1862; 25,255 tons of iron, showing an augmentation of 11,500 tons, as compared with the corresponding period of 1862; 25,255 tons of iron, showing an augmentation of 11,500 tons, as compared with the corresponding period of 1862. The department which response to the corresponding period of 1862; 25,255 tons of iron, showing an augmentatured products was that of the Bunches-du-Bhone, as well with regard to pig as with regard to iron and plates. At St. Bullet themselves the corresponding period of 1862, The department which respect to the tons of the product of th

REPORT FROM SCOTLAND.

REPORT FROM SCOTLAND.

GLASGOW, JAN. 23.—The Pig-iron market has been very inanimate since last week, and prices have declined 6d. per ton for cash. The weather being very unfavourable for shipment, and the market being entirely void of all tendency to speculation, contribute to keep things very quiet and depressed. The price of pig-iron is now reduced to such a figure that it can hardly be manufactured with a profit. To go lower would be to sell at a loss; and buyers are as shy in making purchases as if the market were in the hands of speculators, and likely to fall at any moment by some hitch in their arrangements. Trade is also, on the whole, dull, and the state of metals in the South has an untoward influence on this market. In these circumstances our shipments are very circumscribed, 5050 tons being the quantity for the week ending yesterday, against 7385 tons in the same week of last year. To-day, the market flat, with a good many lots offering at 538, 103d, cash, and 54s, 13d, a month. Small business done at these prices, and at the close buyers offered 13d, per ton less. No. 1, g.m.b, 54s, 6d.; No. 3, 53s, 6d.; Gartsherrie, No. 1, 66s; Coltness, 65s. Malleable Iron is a little more enquired for, and a few more orders are offering than at the close of the year: but business is sluggish in this branch, and so indifferent are some of the makers to commence operations, that they have not yet come to terms with their men, both standing on "stepping stones," which would have been at once relinquished in more prosperous times. Ironfounding is dull, and. as a consequence, the brass and copper workers are not fully employed. The shipbuilding trade of the Clyde is also depressed, and while the London operative shipwrights are refusing a reduction of from 7s. to 6s. 6d. a day, the same class of workers cannot find employment on the Clyde at 5s. a day (on an average 4s.), or nearly 40 per cent, less than their London brethren. We do not seek to have work from the Thames to the Clyde, but if the work can be done on the work can be done on the Clyde at a profit, why allow it to go to a foreign land, when it can be profitably undertaken in this country? The Clyde builders are not novices in their trade, and we expect that in material and workmanship they will not be rivalled either on the Continent or in America. The home demand for Coals continues good, but there is no change in the quotations. The colliers on both sides of the Clyde, and about Wishaw, have had their wages reduced 6d. a day, and Mr. M'Donald's advice to them is to work a day less a week, and they will thus be enabled to keep up their wages to the maximum of 5s. a day! Thus four days' work at 5s. a day, according to Mr. M'Donald's view, will render the colliers and their families more prosperous than with six days a week at 4s. 6d.—that is to say, they will be better off with 20s. a week than with 27s.! In order to carry out this noble idea, agitation committees have been appointed to visit the entire mining districts of Scotland, and the funds for the itinerant agitators are to be provided by a levy of The Clyde builders are not novices in their trade, and we expect that appointed to visit the entire mining districts of Scotland, and the funds for the itinerant agitators are to be provided by a levy of 6d, per head per man, which, on (say) 40,000 men, will yield 1000L, which should keep the orators on something better than "bread and water." To-day, the 26th, as good-luck would have it, Mr. MrDonald and Lead Flake are to add the statement of Miller the statement of the statemen and Lord Eleho are to address the miners of Midlothian, in Dalkeith, on the "Law of Master and Servant." Mr. M'Donald is to "go at it" first, and his friend, Lord Elcho, is to follow suit. The advice will, in all probability, be a good one, and, perhaps, the brotherly fraternisation will not be so incongruous after all. The shipments of coal during the week was 12,075 tons; in the corresponding week

of last year 14,225 tons were shipped. The manufacture of mineral not proceeding with much life, and a large concern near the reported to be in difficulties, and a number of smaller ones are considered to be involved.

REPORT FROM NORTHUMBERLAND AND DURHAM.

REPORT FROM NORTHUMBERLAND AND DURHAM.

JAN. 24.—The weather has been extremely severe, and a good depth of snow still covers the ground. The demand for Coal, both local and constwise, has been great, and consequently prices have risen considerably. Gas coals were advanced 6d, per ton on Saturday, and other coals have also advanced. House coals have been sold in the Thames at 27s, per ton. The prospect for the Coal Trade certainly continues good; it has, however, been much obstructed by heavy falls of snow, rendering it impossible to get the trams along the branch lines, and some serious accidents have also occurred. A new "winning" is in progress at Silksworth for Earl Vane, the owner of the extensive collieries at Rainton. It is understood, also, that Earl Durham contemplates opening a new shaft at Stony Gate, between Silksworth and Houghton-le-Spring. New shafts are also to be sunk at Monkwermoth. Ryhope, and Whitburn. The prospect for the Silksworth and Houghton-le-Spring. New shafts are also to be sunk at Monkwearmoth, Ryhope, and Whitburn. The prospect for the Iron Trade appears to be a little brighter, although positive and de-

Iron Trade appears to be a little brighter, although positive and decided improvement has not yet taken place to any great extent. It is expected that the iron shiphuilding trade on the Tyne and Wear will shortly revive, as some good orders for large ships are expected. Owing to the breaking of an iron bolt attached to a "scotch" on the Beamish line of rallway, a train of wagons got "amain" down the incline, and at a certain point near an office the wagons ran off the line and into the said office, causing the death of one man, and seriously injuring two others who happened to be in the office at the time. A serious accident also occurred on the Blyth and Tyne Rallway, whereby three persons were injured—one of the number. Mr. James Donaldson, a colliery engineer, very seriously.

The overmen and other officers connected with the Newton Gap Colliery, to the number of 30, had a social gathering on Saturday, at Mr. Thos.

to the number of 30, had a social gathering on Saturday, at Mr. Thos. Newton Gap Hotel; Mr. J. Hudson occupied the chair, and Mr. F.

arker's, Newton Gap Hotel; Mr. J. Indason occupied the chart, and arker tackett the vice-chair.

W. Cummins received such severe injuries in Norwood Colliery, wenwood, as to cause his death. It appears that Cummins was clearing out sme old workings, when he came to a jud which was curved, and in clearing it way the coal fell upon him and inflicted the fatal injuries.

Samuel Magee, a pitman at Earl Vane's Alexandrina Pit, West Rainson, was summoned for a breach of the colliery regulations in having a pipe and tatches in his possession in the workings of the mine. One part of the mine as extremely dangerous, and was worked by safety-lamps, and the lives of the en were imperilled by defendant's conduct. The Bench said it was their duty protect the lives of the men in the colliery: the neglect of rules often led to be sacrifice of lives. As an example, they sent him to prison for one month.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

REPORT FROM DERBYSHIRE AND YORKSHIRE.

JAN. 24.—In Derbyshire the Iron Trade is in a somewhat unsettled state, owing to some of the employers having given notice to their men that they would have to submit to a reduction of 10 per cent. This course was rendered imperative by the present state of the iron markets, and the general reduction which has taken place throughout the country. In Derby, which has of late years risen to some importance in the manufacture of iron goods, the moulders refused to submit to any reduction, and the result has been that some hundreds of them have voluntarily thrown themselves out of work rather than submit to have their wages lessened. At Staveley matters are looking more cheerful than they have hitherto done, and, nowithstanding the efforts of the Miners' Association, there is every prospect that before long the agitators will be obliged to give up their labours in disgust. Considering that the instigators of the strike, or lock-out, started with a considerable advantage, it is a singular fact that for some weeks past they have been losing ground day by day. At the present time there are no less than 1600 men who have voluntarily joined the Non-Union Association. Three weeks ago some too men gave notice to leave their work, but since then nearly 200 have withdrawn their notices, and have joined the Non-Union ranks. The notices of the remaining 200 men will expire on Saturday, and, judging from the past, it is not unlikely that a large proportion of those will become seceders when they find themselves thrown out of work. The proprietors of staveley, who are so ably represented by Mr. C. Markham, appear likely to be shortly placed in the same position they were in before the invasion of the South Yorkshire Miners' Association. The proprietors have never ceased to draw coal at the Springwell Pit, and have now upwards of 20 stalls at work, their object being to consolidate their strength at individual pits, instead of keeping isolated bodies in all their collieries. The new men are JAN. 24.—In Derbyshire the Iron Trade is in a somewhat unsettled

With the exception of the increased business being done in steel, the requirements of the increased business being done in stee the Shedleld trades generally remain unaltered. Makers of locomotive and other special continue to be fairly supplied with orders, whilst most of the machinester are kept fully gaing. A draft of the proposed new American tariff is seen and from goods leasarrived to-day, and in some few instances is rather most steel and trade that was anticipated. There is no alteration in pig-iron, but other sorts have considerably advanced. Nearly all qualities of steel have met with sorts have considerably advanced. Nearly all qualities of steel have met with more than ordinary attention, and the duty in some instances, presuming the the bill is carried, will apply the bill is carried, will be all but prohibitive. The same remark will apply the difference of the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form, which is very given on the supposition that the bill will pass in its present form will be all believe to the proposition that the bill will pass in its present form and the supposition that the bill will pass in the present form the bill will be all believe to the proposition that the bill will be all believe to the propositi

composite means a strong the stress of the supposition of the supposition that the bill will pass in its present form, which is very far from likely, seeing that already numerous amendments are proposed.

Mr. S. Plimsoll, who is well known in connection with the coal trade, a day or two since publicly noticed the thoughtlessness of our coal and ironmasters, which had led to their losing some large continental orders. He stated that in Yorkshire it took from 30 to 35 cwts, of coke to produce 1 ton of pig-iron, whilst the firm of Appolt Freres, of Marquise, France, by means of an excellent coke oven of Belgian invention, got 17 cwts, of coke from 1 ton of smudge, and their furnaces from that quantity of coke drew off more than 1 ton of pig-iron. He offered to bear his own expenses, and got only part of Stafford, which and erect the furnaces, and to let our Ironmasters judge for themselves. The offer is certainly a fair one on paper, and it is to be hoped that Mr. Pilmsolf will have an opportunity of testing his ability in the line he has indicated. Most persons in the southern division of Yorkshire are pretty well acquainted with Mr. Pilmsolf and although some of his ideas have not always turned up well. Mr. Pilmsolf is in a position to bear all the expenses of which he speaks.

South Yorkshire the Iron Trade is quieter than it has been, and South Yorkshire the Iron Irage is quiese; that, and if ye all the men having resumed work at the reduced rates. Parkgate having yeal the men having resumed work at the reduced rates, and dopted a way last week. The men at Milton and Elsecar on Tuesday adopted a recurse. Very few large orders have come into the district, and masters are course. Very few large orders have come into the district, and sheets at sufficiently supplied to keep their men going. Hoops, plates, and sheets at sufficiently supplied in demand, the trade in rails remaining in the quiet similar course, similar course, and is sufficiently supplied to keep their men going. Hoops, plates, and sheets are just sufficiently supplied to keep their trade in rails remaining in the quite are the principal qualities in demand, the trade in rails remaining in the quite are the principal qualities to demand, the rade in rails remaining in the quite are the principal qualities to the state which has characterised it for a considerable time past. The steel works state which has characterised it for a considerable time past. The steel works are recently of cranks, axles, and tyres turned out, some good orders for plates have recently of cranks, axles, and tyres turned one, some good orders for plates have recently and the interruption to the traffic to the South by the snow having passed away, and the interruption to the traffic to the South by the snow having passed away, a heavy tonnage is being forwarded to London and other southern markets a tew wombwell Main Colliery, who have been out about a fortnight, in consequence of a demand for the weight to be reduced from 21 cwts. to 24 cwts, not quence of a demand for the weight to be reduced from 21 cwts, to 24 cwts, not quence of a demand for the weight to be reduced from 21 cwts, to 24 cwts, not quence of a demand for the weight to be reduced from 21 cwts, to 24 cwts, which was foundated by water in November last. At the Swallow Hill Colliery, which was foundated by water in November last. the pumping out of the water has commenced, and the task is by no means a light one, owing to the extensive character of the works. The fire which took place at the Kingstone Main Colliery will be opened out in a day or two.

There is now every prospect of a permanent fund being established for the relet of sufferers from colliery accidents. An adjourned meeting of not because of a sufferers from colliery accidents. An adjourned meeting of not because of a sufferers from colliery accidents. An adjourned meeting of not because of a sufferer from Newtonnon, and other influen

blemen and gentlemen was held at the Barnsley Gasworks on Thursday, Earl Fitzwilliam in the chair. There were also present Viscount Halifax, Lord Wharneliffe, Lord Milton, Mr. W. S. Stanhope, and other influential gentlemen interested in mining operations. During the meeting it was stated that authority had that day been received from Newcastle to obtain the Hartley surplus, rity had that day been received from Newcastle to obtain the Hartley surplus, the trustees as the nucleus of a permanent fund. A committee was appointed to draw up a code of rules.

REMOVING GAS FROM COAL MINES-INTERESTING EXPERIMENTS and important experimen —Some highly interesting a convex of collieries, took place at the Barmsley Gaseasily be removed from the goaves of collieries, took place at the Barmsley Gaseasily be removed from the goaves of williams, of Blaenavon, and who visited Barnsley on Friday, for the purpose of Williams, of Blaenavon, and who visited Barnsley on Friday, for the purpose of bringing his invention under the notice of the engineers, viewers, and others bringing his invention under the notice of the engineers, viewers, and others beinging his invention under the notice of the engineers, viewers, and others bringing his farmsley. Mr. Williams had an interview with the Under-Septement of State for the Home Department, and to some extent was encouraged of the contract o

In paying a visit to Barnsley. On arriving at the last-named place he put himself in communication with Mr. Hutchinson, the manager of the gasworks, for the purpose of having his system practically flustrated. In a few hours Mr. Hutchinson erected the necessary apparatus in a very complete manner. One of the sheds in the yard was filled up to represent a section of a colliery, with a barrel to indicate a goaf, whilst a pive was laid from it some 40 or 50 yards, up to a higher building, as indicating the top of a shaft. Mr. Hutchinson having sent some gas down into the improvised goaf, allowed it to accumulate for a short time, and then, putting it through all the usual courses, allowed it to explode. The first explosion was a very strong one, and shook he whole of the building. After that the goaf was again filled, and the whole of the gas drawn up the pipe, and allowed to escape into the fresh air. The method is an extremely simple and ingenious one, and is on what may be termed the ordinary syphon principle. Mr. Williams merely reverses the ordinary action of the syphon, with the results as above stated. He takes a pipe down a colliery shaft, and continues it forward into the ordinary working places, goafs, &c. The pipe is filled with atmospheric air, which is drawn out by water, and on being exhausted is immediately followed by the flow of gas from the goaves, and which continues to come up so long as any gas remains within reach of the pipe. The only expense is that of the pipes, as no fan, engine, or exhauster is required. The apparatus temporarily fixed at the gasworks acted admirably, and the experiments were witnessed by some of the most eminent engineers and viewers connected with the principal collieries; Mr. Mammatt, the Oaks; Mr. Minto, Mount Osborne and Agnes Main; Mr. Wilson, Darfield Main; Mr. Raddison, Woolley Main; Mr. Pickles, &c., all of whom expressed their unqualified approval of the invention, which there can be no doubt will be found in valuable, particularly for removing heavy feeders of

REPORT FROM MONMOUTH AND SOUTH WALES.

JAN. 24.—There has been no change whatever in the Iron Trade of South Wales during the past week, but there is manifested generally a little better feeling on the part of both buyers and masters. Prices at present are very low, indeed it is quite out of the question for them to go below, the present point, and as the prospects of a spring business look encouraging, quotations may have an upward tendency business look encouraging, quotations may have an upward tendency before long. It is, therefore, thought that those consumers who have the means at their command will shortly enter the market with, at least, the more pressing orders which they have for such a length of time so tenaciously held back. There is no doubt that buyers who are in a position to purchase could not have a more favourable opportunity than the present of entering into transactions, and the probability is that they will avail themselves of it. Since last report, but very little business has been done on home account, and most of the will each forward the heading attablishment are known good. the mills and furnaces of the leading establishments are kept going by means of orders from abroad. The requirments of many of the home railway companies are beginning to be pressing, and it is not home railway companies are beginning to be pressing, and it is not unlikely that in the course of the present quarter tenders for the supply of railway iron will be invited. There is also a prospect of an improvement in the plate branch of the trade, as the Lords of the Admiralty have decided on increasing the present fleet of armourplated vessels, and in building about twenty gun-boats. During the past fortnight the export trade has shown a falling off, but this in a great measure is to be attributed to the very severe weather and unfavourable winds. There has been, however, a few eargoes of rails cleared out for New York and Charlestown. The principal portion of the iron intended for the markets of the Southern States of America is now shipped direct, instead of being cleared out, as heretofore. rica is now shipped direct, instead of being cleared out, as heretofore, in the first instance for New York, whose merchants thus lose the commissions on the sales. Up to the present time the ironmasters of Monmouthshire have shown no indication of interfering with the or monadation relations and the anomaly of two scales of payment in the same district. Whether they will take any steps towards the reduction is a matter of uncertainty, as the leading makers of particular brands are naturally anxious to keep together their hands who are "well up" in the working process. A few transac-tions have been entered into on foreign account, but the orders are not of such a magnitude as to affect general operations. The advices receive I from New York and the other principal foreign markets are still of an encouraging character, and there is every reason to hope that the advent of the spring will introduce into this district an imthat the advent of the spring will introduce into this district an improved enquiry for most descriptions of iron, but more especially rails. The demands for pig-iron continues limited, and prices remain nominal. Tin-plates are in slightly improved request; quotations, however, are stationary. In the Steam Coal Trade there is an average business doing on foreign account, and proprietors' books are fairly filled with orders. One drawback is the scarcity of shipping, which a change of wind will, however, soon remove. More attention is being paid to the inland markets, and Welsh steam is being more extensively patronised. As yet there has been a good local conextensively patronised. As yet there has been a good local consumption for house coal, but if the mild weather which set in yesterday continues, there will be a falling off. The purchases on consting account come up to about the average, and shipments are carried on

account come up to about the average, and shipments are carried on with tolerable regularity.

Messrs, Shackleford, Ford, and Co., proprietors of the extensive paint works near swamsea, and also wagon mixers, have found it necessary to call a meeting of their creditors, which was held yesterday at Swamsea, at which a statement of their affairs was submitted. Any difficulties which may be experienced by the partners in this firm have no connection with the recently-formed Shackleford, Ford, and Co., Climited), of which Mr. Handel Cossham is the Chairman, and which is believed to be a prosperous concern. Messrs. Shackleford, Ford, and Co., on disposing of their wagon works, or it may have been before, took to the large paint manufactory formerly carried on by Munros and Co., and we believe it was in connection with these works mainly that their largest liabilities have been incurred.

The Gilvach Colliery, property, plant, &c., will be sold by nuction in the ensuing month.
r. G. Fisher, for many years general superintendent on the Taff

Pughsley's patent for utilising the waste has been adopted at the defin Griffith Tin-Piate Works, and has proved a decided success. A fine, full-rigged, iron-built ship, the "Iron King," was successfully launched on Theaday morning, from Mr. T. Spittle's from shipbuilding and, on the banks of the Usk, Newport. She is sister to the "Iron Queen," annehed about nine months ago, and is 125 tons barthen. The plates of which he is constructed are of "best best." Pontypool iron, and stood a tendle strain if 28½ tons to the square inch. She has very sharp bows, and a round stora, and is considered a fine model of naval architecture.

The arrivals at Swansea include—the Delaware, from Chanaral, with 53 tons of copper ore for H. Bath and Son; the Caledonia, from Lisbon, with 80 tons of copper ore for Richardson and Co.

REPORT FROM NORTH AND SOUTH STAFFORDSHIRE.

JAN. 24.—There is no definite improvement in the demand for iron, and the Hardware Trades are depressed, and as yet show no sign of improvement. We may hope that as spring advances a favourable movement will be experienced. Happily the reduction of wages in the Iron Trade has not led to a strike. This result has been wages in the Iron Trade has not led to a strike. This result has been assisted by several circumstances, but it is mainly due to the great poverty of the workmen generally, arising from the long continuance of short time and the severity of the weather. The idea of no wages in a hard frost, with pockets and credit alike exhausted, was not to be endured. The meeting at Brierley Hill, on Monday, accepted the reduction, with a protest which reads rather like a snart, whilst the country was the weather than the result of the strike the snart was the same and the snart was the same show of resistance. Long men at Wednesbury still maintain some show of resistance. Long success in strikes has made the last two reductions bitter to swallow. In North Staffordshire no demonstration was made in favour of re-

istance.

A most important meeting was held on Monday, at Wolverhampton, on the subject of legislative interference to limit the bours of labour. A conference of promoters of education and of employers of labour was convened by the South Staffordshire Association for the Premotion of Adult Education, and was influentially and numerously attended. Lord Lytteiton, Lord-Lieutenant of Vorgester-bire, the President of the Association, occupied the chair, and the Earl of Liehfield, Lord-Lieutenant of Staffordshire, was also present, as was Mr. W. O. Foster, M.P., Mr. Barrows, Chairman for the year of the South Staffordshire fronmasters' Association; Mr. Hartley, the Chairman last year; Mr. J. S. Wright, Chairman of the Birmigham Chamber of Commerce; and many influential trommasters and hardware manufacturers. Special gravity was at once imparted to the Conference by the reading of the following extract, from a reply which the Home Secretary, Mr. Walpole, had returned to a letter from the Earl of Lichfield, in which the right hon, gentieman sald—"The Government purpose to bring in two bills at a very early period of the session—the one for the purpose of extending the main provisions of the Factory Act to those which may be considered as the larger factories. The other for the purpose of regulating workshops, as those which may be considered as smaller factories, so far as the principles of the Factory Acts can be properly applied to them. The encourage.

ment of education among the children who are employed in factories or in workshops will be one of the principal objects of both bills."

This announcement at once brought the meeting face to face with the imminent imposition of the legislative restrictions similar to those which had for many years prevailed in Lancashire, and have more recently been extended to Yorkshire and to the earthenware trades in all pirts of the kingdom. Resolutions were adopted recognising the necessity for legislative interference to limit the hours of labour, and to seeme a greater degree of inspection for the children employed, but there appeared a strong disposition to prefer a measure which would compel parents to send their children to school up to a certain age—and H was generally named—instead of the half-time system, which every local speaker connected with the trade opposed. The Rev. Sir Lovedaee Sieeman, vicar of Stoke-upon-Trent, nowever, and Mr. Chaillinor, an earthenware mannifacturer from the North Staffordshire Potteries, both of whom were at first opposed to the half-time system, spoke of its great value in North Staffordshire, and the small amount of inconvenience it causes them. Mr. Chaillinor said he believed that nincteen manufacturers out of twenty in the Staffordshire Potteries would regret the withdrawal of the half-time provisions. It was urged with much more force, that as hight-work was essential in the ironworks, some relaxation must be made in the provisions which do not admit of young persons under 1s continuing at work after 6 or 7 o'clock at night. It seems pretty clear from the terms of Mr. Walpole's letter that the Governmen bills will be extended to all the trades reported upon by the Children's Employment Commission, which includes all the leading hands in the country.

Mr. William Hambury Sparrow, one of the wenithiest of the South Staffordshire Ironmasters, died on Sanday last, at the age of 7s years. Mr. Sparrow resided at Penn, near Wolverhampton. He was the principal partner in two ironworks' an

A long-standing contest between the bricklayers and their labourers in the Poterles, which has lasted for nearly a year, and has been fought with singular perseverance on both sides, has been referred to the arbitration of Mr. Davis, the stipendlary magistrate of the district. The main point of difference was as to payment by the hour, as the masters proposed, but to which the men objected, but they found great difficulty in bringing forward any valid definite objection to it. The rate of wages is also in dispute, but both sides agreed to leave it to the arbitrator to decide all the points contested, and he has taken time to consider. While this has been going on, the carpenters and plourers are asking for a further advance of 6d, per day, making their wages 20s, per week for two and a half hours less than they now work. The masters offer 6d, as hour, or 29s, per week for lifty-eight hours' work.

[A report of the inaugaral meeting of the Incorporated Association of Mine Agents of South Staffordshire and East Worcestershire appears in the Supplement to this day's Journal.]

HINTS TO EMIGRANTS-No. VIII.

BY CHARLES S. RICHARDSON.

Having described the chief produce of the farm, I will now give some account of the garden and forest, with the "domestic manufac-ture" common throughout the inland counties of this State. The English labourer, on coming into the back settlements, is often struck with surprise at the aptitude with which both men and women apply themselves to the manufacture of articles for domestic use, although no mechanics. He finds all the country people perfect experts in a rough way with the use of all mechanical tools. We often say that

Einglish Indourer, on coming into the back settlements, is often structure with surprise at the aptitude with which both men and women apply themselves to the manufacture of articles for domestic use, although no mechanics. He finds all the country people perfect experts in a rough way with the use of all mechanical tools. We often say that "necessity is the mother of invention," and it is remarkable how very soon an ingenious man, un ler such circumstances, will supply himself with all the necessaries of the situation. On a cold or wet day you may see the farmer and his boys engaged in making boots and shoes for the family, or tables, chairs, plough-stocks, ace-leves, kieves, or barrels, &c. Many of them han their own leather, stock their rifles, shoe there, which there is a supplied to the control of th

Some of our rivers are plentifully supplied with fish of several kinds, sublack and silver perch, the cat-fish, bass, and suckers: they weigh from I to There are many other kinds of the small fry; of cels and trout there are no Coal River, the Elk, and the Big Kanawha are the best rivers I have fishe Fish here are abundant. The boys have fine sport in the spring months, the fish ascend the rivers and crecks to spawn, with a torch of pine knots a spear (called a gig), they go out at night, and wade the streams: the fish, zled by the glare of the light, lie perfectly still, when they are easily structure are successful to the spear. In some parts of the country the boys use bows and iron-pol arrows, with which they are very expert in striking the fish; but the gig's is the most favourite weapon.

Wild game in the central settlements is getting scarce. There are but deer, unless far back in the woods. The catamount, red and grey foxes, rat oppossum, and ground hogs, or chipmuncks, are still found, but the wolf, there but all the successionally found, but they are scarce. Of rabits and the little grey hard are a few, but the grey squirred is plentiful: this animal is very fine eating flesh being as white and delicate as a chicken's. With the exception of the and rancoon, it is the only mammal game sought for by the settlers.

— Pine-street, New York.

NEW SOUTH WALES COAL.—Amongst the specimens representing NEW SOUTH WALES COAL.—Amongst the specimens repress the mineral resources of New South Wales the finest was a column of ces be Scottish Australian Mining Company's Lambton pit, showing a thick cam of 9 ft. 8 in. The principal specimens were from Stony Creek, East, and, seam 4 ft. 10 in. thick; Rix's Creek, near Singleton, 6 ft. 6 in. creek, Brankston, 6 ft. 6 in.; Dalewood Creek, 6 ft. 6 in.; and Four Mile (ast Matitand, 9 ft. 6 in. About 20,000 tons of coal are at present raised in New South Wales.

HE DYLAIS COAL AND IRON COMPANY
Incorporated, with Limited Liability, under the Companies Act, 1862.
Capital £60,600, in 6000 shares of £10 each.

Capital £69,600, in 6000 shares of £10 each.

Posit £1 per share on application, and £1 further on aliotment. Subsequent, calls £1 per share, at intervals of not less than three months.

It is estimated that not more than £5 per share will be called up. Nearly half the capital is already taken by the directors and vendors.

DWEL GWYN, Esq., M. P. for Brecon, Dyffryn House, Neath, Glamorganshire, L. BANKS, Esq., Pontywai Hall, Breconshire (Chairman of the Neath and Brecon Railway, and of the Brecon and Merthyr Railway).

BEDERICK HARRISON, Esq., 15, Carlton Villas, Maida Vale, London (Disector of the London and County Bank, London, and of the London and Liverpool and Globe Insurance Company, London).

BHN J. WILLIAMS, Esq., M.D., Magistrate for the County of Brecon (Director of the Brocon and Morthyr Railway), Mount-place, Brecon.

ORGE B. MURLY, Esq., Langport, Somersetshire (Director of the Hirwain Coal and fron Company, Limited).

ROMAS C. HINDE, Esq., Ynispenliwch, near Swansea (Chairman of the Ynispenliwch Tin-plate Company, Limited; Director of the Hirwain Coal and fron Company, Limited; Olivector of the Hirwain Coal and Fron Company, Limited; Director of the Hirwain Coal and Fron Company, Limited; Bank of England, Brecon.

(With power to add to their number.)

BANKEIS—National Provincial Bank of England, Brecon.

Provincial Banking Corporation, Swansea and Neath.

SOLICITOR—Mr. J. R. Cobb. Brecon.

DITORS—Thomas Frater, Essy., Manager of the National Provincial Bank of England, Brecon.

Messrs, W. H. Williams and Co., Exchange, Bristol.

SECRETARY—Mr. Thomas Cook Davies, No. 2, Mount street, Swansea.

REGISTERED OFFICE,—2, MOUNT STREET, SWANSEA.

PROSPECTUS.

PROSPECTUS.

Its company is formed for the purpose of leasing and working the minerals rained in the Onliwyn, and the Bhydffosddu, Cefn-yr-Erw, Castell Coch, and restates, at the head of the Dylais Valley, and slutate partly in Glamorgane and partly in Brecomshire.

Its emperative together form a total area of nearly 1000 acres, all in a ring e. The Onliwyn property is held for a term of 53 years, and the Rhydffosddu, e-yr-Erw, and Castell Coch Estates for a term of 39 years, at royalties of 8d, imperial ton on all coal and fronstone, and proportionately low rates for lary, building stone, &c. The dead rents average £1 per acre, and all the sare determinable by three years' notice at the option of the lessees, but by the lessors.

is an electrominable by three years' notice at the option of the lesses, but by the lessors.

The control of the consists of nearly 700 acres, and comprises in the section typer Four-feet cond, the Eighteen-feet, the Nine-feet, the Lower Four-feet other veins, making a total workable thickness of between 30 and 40 feet, other veins, making a total workable thickness of between 30 and 40 feet, other veins, making a total workable thickness of hetween 30 and 40 feet, and the control of the South Wales mineral basin, the seams of coal and from the out-crop of the South Wales mineral basin, he seams of coal and from the out-crop of the South Wales mineral basin, he seams of coal and from the out-crop of the South Wales mineral basin, he seams of coal and from the out-crop of the South Wales mineral basin, he seams of the map of the Ordinance Survey. The coal is a pure anthracite, is admirably adapted for smelting from, for malting, lime burning, hop, and not the map of the out-crop of the country steam purposes, chiefly owing to the defective communications with the discount of the condition of the country adapted for the form of the country valuable properties will now, unquestionably, become as well known and celated for occan steam navigation and for locomotive and stationary engines to country as they have long been in the United States of America. It is intelly smokeless, makes little or no ash or clinker, evolves the most intense the control of the condition, and is unapproachable by any other description of coal for goth and durability, and hardness, it is admirably adapted for long steam out to great density and hardness, it is admirably adapted for long steam out to great density and hardness, it is admirably adapted for long steam out to great density and hardness, it is admirably adapted for long steam.

ombustion, and is unapproachance by any other description of coarlor and durability.

Is great density and hardness, it is admirably adapted for long steam. It stows in less compass than any other coal in the world, is unaffected are to weather or climate, and is entirely free from all danger of sponombustion or of explosion.

nonaking purposes it is invaluable; the pig-iron smelted by this coal seen locally elebrated, and now that through railway routes are coming ation in the district, it is greatly in demand at high prices in Stafford-tother parts where first class pig-fron is needed.

Is property are two well-built, blast-furnaces, with six hot-air ovens, blast-engine, five excellent bothers, with chimney stack, &c., complete, fitting, blacksmiths' and carpenters' shops, offices, storehouses, manase, stabling, and about lifty workmen's houses, all let and bringing in apparated of 2500 per annum.

fitting, blacksmiths' and carpenters snow, mass, set and bringing in appeareds of gase per annum, are also therebeigk works, clay mill, and five other steam-engines, with amps, &c., working on various parts of the property, together with sighing machines, and many miles of above and underground rall and let also tools, plant, &c., all in use and in working order, lydfrosidid, &c., estates are of great value as ironstone properties, the rich in percentage of iron, and excellent in quality, while the ground productive, operty is, moreover, so situated that the whole of the ironstone veins on the hills on the cast side of the value of Tave in such a position that years they will be got by open working. When it shall be one necesive underground, the lilver Tave being 200 or 600 ft, below the top of swill afford free drainage for an hucknowthist tract of minerals, during the control of the properties. These railways intersects the Onlivyn tract wanness Vale and Neath and Brecon italiway intersects the Onlivyn tract excusines Vale and Neath and Brecon dunction failway runs through the east in the district, and the development of these import in mineral aschen carefully kept in view in laying on the time; the capital, construction is a possible of the capital, construction in the capital capital capital capital aschen carefully kept in view in laying on the time; the capital, construction is a superior of the capital capi

the must otherwise have been expended in opening these tracts by lessened, and Brecon Raliway was opened through for goods and mineral; 13, 1863. The Swainsea Vale and Neath and Brecon Junction is on to the utmost, and it is anticipated that the whole system will throughout during the present year; completion of these railways these estates had no means of conher than a defective and expensive transroad five miles in length, I timestone for fluxing purposes, &c., were only obtainable by sl. By the completion of the Neath and Brecon line the cost of this terial will be reduced between 30 and 40 per cent.

owners of the property have agreed to accept £31,500 as the purinctuding the whole of the buildings, erections, houses, engines, dixed and movable plant; payable one-third in cash, one-third of the company, with one-half (that is, 55 each paid-up) and one-third of the company, having three years to run, and bearing interest at a nanum. It is anticipated there will be no difficulty in renewing the.

strable, owed to call upon the shares Issued to the public, at such intervals as unsite, £5 per share, thus making them pald-up to an equal amount nares taken by the vendors in part payment of purchase-money as

ent furnaces are equal to a weekly make of 140 tons of pig-iron, and ed to lay out £6000 in extending the colliery openings sufficiently to tons of coal per day for sale, the extraction having hitherto been con-purposes of the ironworks. and production will then stand thus:—

COST.

CO

ount of share capital to be called up at £5 per share £35,000 0 mount of debentures, interest on which at 5 per cent. is deducted from profits, as below, £10,500.
PRODUCTION.
plg.iron weekly, say 7000 per annum, at 75,6d. per ton profit £2625 0 coal per day, say 300 days per annum, at 25, per ton profit. 6000 0

Total £8625 nterest at 5 per cent. on £10,500 debentures, as above 525

otion money will be paid, nor any expenses incurred, except those

smotion money will be paid, nor any expenses incurred, except those estrictly legal and necessary.
Hotment b unade, the deposit money will be returned in full,
ettuses and forms of application may be obtained of any of the directors,
bankers, solicitors, auditors, or brokers of the company; and abstracts
sees, with plans and further particulars of the property, and copies of
orandum and Articles of Association may be seen on application, to the
first the company's offices, No. 2, Mount-street, Swansea; or at the
Mr. J. R. Cohb, Solicitor, Brecon; or of G. B. MURLY, Esq., Lauguert,
shire.—Nov. 1866. shire.-Nov., 1866

TAST HOLYFORD MINING COMPANY.—
TO THE EDITOR OF THE MINING JOURNAL.

e.
d to perceive that Mr. Wadge intends to return to England, that the
y be investigated. I pledge myself to meet him before the sharebefore a court of law, and explain fully the part I took in the East eduction to Mr. Wadge was his calling on me, as a college student

and the style in which Mr. Wadge lived, I had no more lyency and respectability than I should have of the chairman of

rallway companies.

igo prescel on me to accept 25 shares in the company. I did so, h

greyched on me to accept 25 shares in the company. I did so, h

greyching withdrew my consent—in proof of which I submit, for M

onsideration and the public's, an extract from a letter of his to u

ram (a copy of the lelegram can be seen at the office), and anyo

he letter.

ng. 3, 1886.—DEAR MACN MLY: -I will omit your name from any prof East Holyford, as you wish."

f East Holyford, as you wish."

green, Nov. 6, 1886.—"Alexander Hotel, Hyde Park, London:—I will
a letter to-night, stating my regret for having put your name without
ent. That will do, I am satisfied."

esley-place, Dublin.

Your obedient servant.
THOMAS MACNALLY, Clerk,

PETROLEUM IN ITALY.—I hereby give notice that Mr. HENRY FAIRMAN, of London, is the ONLY PERSON whom I have AUTHORISED to ATTEND to all MATTERS concerning myself with respect to my RECENT DISCOVERIES of PETROLEUM in ITALY.

Pisa, Dec. 24, 1866.

E. ST. JOHN FAIRMAN, F.S.S., F.R.G.S, &c.

Pisa, Dec. 24, 1866. E. ST. JOHN FARMAN, F.S.S., F.R.G.S, &C. Referring to the above advertisement, I bez to request those friends who have bespoken shares in the ITALIAN PETROLEUM ENTERPRISE, now forming in 303 shares of £10 each (limited), to acquire and further develope a portion of the above referred to properties, with a view to purchase the whole thereof after approval, to be so kind as to pay in their deposit of £5 per share to the bankers without delay, as the sub-cription list will close on the 6th postmo. Should any friend have mislaid his prospectus, another will be sent to him on application to FREDERICK BRADLEY, E.g., Solicitor, 127, Fenchurch-street, E.C.

CLERK WANTED, at a small ENGINEERING ESTABLISH-MENT and HON MANUFACTORY. Must be a good accountant, and have a thorougo knowledge of bookkeeping by south centry. One who has held a similar struation and possesses some knowledge of the business will be preferred. Apply, by letter only, with full prateulars of qualification, age, reference, and salary expected.—Address, "1. J. and Co.," Messrs. Horn and Bookf, Groy-street, Newcastle-on-Tyne.

WANTED,—A RE-ENGAGEMENT AS COLLIERY MANAGER.

Many years, experience, and first of the control o V Many years' experience and first-class testimonials. No objection to go abroad. – Apply to " Η. Μ.," MINING JOURNAL office, 26. Fleet-street, Landon.

THE LESSEE of a VALUABLE BRITISH COPPER MINE, on which there is the requisite plant, and from which many thousands of pounds worth of rich ores has been raised, WISHES to MEET with a PARTY who could get the REQUISITE CAPITAL THOROUGHLY to DEVELOPE IT.—Apply by letter, to "P. A. R.," MINING JOURNAL office, 26, Fleet street, London, E.C.

TO IRONMASTERS.—The ADVERTISER, who has had many years' experience in manufacturing M bars, angles, plates, sheets, and rails, is NOW OPEN for an EXGAGEMENT as OUT-DOOR MAX; Good reference will be given. No objection to go abroad.—Apply to "AAMINING JOURNAL office, 26, Fleet-street, London, E.C.

GENTLEMAN having an extensive connection with merchants manufacturers, and others, would be GLAD to UNDERTAKE the SALE PATENTED ARTICLES or INVENTIONS, upon commission.—Apply to W. T. RAWLE, patent and mining agent, 8, Small-street, Bristol.

SLATE QUARRY IN WALES.—A MANAGER IS REQUIRED to UNDERTAKE the SUPERINTENDENCE and DIRECTION of a FIRST-CLASS SLATE QUARRY. He must possess practical knowledge and experience, with a good knowledge of machinery, and be enabled to produce satisfactory testimonials, copies of which must be forwarded with the application. A liberal salary will be given.

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SLATE QUARRY-LLANFAIR GREEN AND BLUE.

Manager-Mr. THOMAS HARVEY.

FOR SALE, SIXTY SHARES (limited to £5 a share, and on which £2 10s. here he per share. as been paid), at £1 per share. Address, "N. K. H.," MINING JOURNAL office, 26, Fleet-street, London E.C.

OTICE TO QUARRY INVESTORS.—Mr. JOSÉPH KELLOW, SLATE QUARRY INVESTORS.—Mr. JOSÉPH KELLOW, SLATE QUARRY INSPECTOR and PRACTICAL ENGINEER (tweaty-re years of practical experience), takes this opportunity of informing his lends and public companies generally, that he has CHANGED his RESIDENCE om Nantile Vale, Carnarvonshire, North Wales, to TREMADOC, in the same unity. All orders will receive prompt attention. Private shareholders and sed. Terms reasonable.

FOR SALE, BY TENDER, BILLIA CONSOLS AND REETH CONSOLIDATED MINES SETTS and MATERIALS, situated in the parishes of Towednack and Uny Lelant, in the county of Conwall, consisting of ONE 36 in. PUMPING ENGINE, with 10 ton BOILER, nearly new. ONE 27 in. STAMPING ENGINE, with 8 ton BOILER, lifting 36 heads, About 300 fms. pitwork, 11 to 5 in., and all the necessary materials for working the infine.

The lodes are parallel to and adjoining Wheal Reeth, and afford a rare opportunity to capitalists.

Scaled tenders, marked "Tenders for Reeth Consols Mine," should be addressed to Mr. JAMES B. COULSON, Penzance, on or before Saturday, the 18th February next, soon after which the purchaser will have notice thereof.

For particulars, apply to Capt. R. BLIGHT, at the mine.

Not bound to accept the lowest or any other tender.

Dated Penzance, January 9, 1867.

FOR SALE, an excellent CORNISH PUMPING ENGINE, made at the Perran Foundry, 48 in. cylinder, works to 70 horse power, stroke 8 ft. 6 in. in shaft, 9 ft. in cylinder, with 13 ton balance beam, and TWO TUBULAR BOILERS, 30 ft. 10ng, 5 ft. 6 in. diameter. Also, about 140 fms. to 150 ims. of 11 in. PUMPS, with 10 in. working barrel, &c., and 135 fms. pump rods. The engine, &c., may be seen at the Old End Lead Mine, Crich, near Whatstandwell station on the Buxton Rallway.—Apply to Walker Cox, Egn., Derby; or Edward Cockburn, Albert-street, Rugby.

TO BE SOLD, chenp, a PORTABLE ENGINE of 14/horse power, double cylinder, of first-class construction, workmanship, and material. Winding gear to order. SECOND-HAND PORTABLES FOR SALE—Apply to Messrs. Barkows and Carmichael., engineers, Barbury, Oxyn. [

PORT PHILLIP AND COLONIAL GOLD MINING COMPANY.

- heorporated by Royal Charter. — Notice is hereby given, that the ORDINARY GENERAL MEETING of the shareholders of this company will be HELD at the London Tavera, on TUESDAY, the 29th day of January, 1867, at Two o'clock precisely, in pursuance of the Deed of Settlement.

By order,

Offices, 35, Bucklersbury, London, E.C., Jan. 18, 1867.

N.B.—The Transfer-books of the company will close on Saturday, the 19th of January, and will re-open on Saturday, the 2d February next.

January, and will re-open on Saturday, the 2d February next.

VICTORIA (LONDON) MINING COMPANY (LIMITED).—

Notice is hereby given, that the ORDINARY GENERAL MEETING of the shareholders of this company will be HELD at the London Tavern, Bishopsgate-street, in the City of London, on TUESDAY, the 29th day of January, 1867, at Tweive o'clock noon precisely, for the following purposes:—
To receive and consider a report of the proceedings of the company, and a statement of the accounts since the last ordinary general meeting.
To elect directors in the place of A. T. Thomson, Esq., and A. Cobbett, Esq., who retire by rotation, and offer themselves for re-election.

To elect auditors for the ensuing year.
By order,
Offices, 35, Bucklersbury, E.C., Jan. 19, 1867.

N.B.—The Transfer-basis of the company will be closed on Tuesday, the 29th January, 1867, and will re-open on Wednesday, the 13th February, 1867.

EDUCATION IN COLLIERY ENGINEERING, MINERAL

HOUSE, WARMLEY, near BRISTOL, has at present VACANCIES for TWO THREE PUPILS. Terms very moderate.

A NALYSES OF COAL, CANNEL, MINERAL OILS, and all OIL PRODUCING MINERALS are UNDERTAKEN by A. NORMAN TATE. F.A.S.L., &c.,
ANALYTICAL and CONSULTING CHEMIST, and CHEMICAL ENGINEER (Author of "Petroleum and Its Products," &c.), MOLD, NORTH WALES.

Plans and estimates for oil and chemical works prepared, and their erection superintended.

Assays of metals and their ores carefully conducted.

TO COAL OWNERS, AND OTHERS.

THE LONDON PATENT COAL COMPANY are now GRANTING LICENSES for the USE of their PATENT for the UTILIZATION of COAL DUST. All communications at the addressed to the Managing Director, 26, Martin's-lane, Cannon-street, E.C.

Second yearly dividend and bonus to shareholders declared December, 1866. A dividend at the rate of 6 per cent. per annum. Abonus at the rate of 7 per cent. per annum. Additional bonus dividable among shareholding consumers, 4 per cent. of the whole profits, being a return of 10 per cent. upon the coal purchased.

THE JOINT-STOCK COAL COMPANY (LIMITED).
Incorporated under the Companies Act, 1882, by which the liability of each shareholder is limited to the amount of his shares.
Capital £100,000, in 130,000 shares of £1 each.
First issue of £0,000 fully subscribed; 5s. per share to be paid on application, 5s. on allotment, and the remainder, if required, in ealls of not less than 5s. per share, at intervals of not less than three montas.
Chairman-JOHN WHITE ORAM, Esq.

MANAGING DHECTOR—FREDERICK A. NEW, Esq.

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Chief Office 49, Fleet-street, E.C.
West End 157, Great Portland-street,
Dublin. 9 and 10, City Quay.
Liverpool Office 45, Castle-street.
Colchester Hythe Quay.
Brighton. 41, Ship-street.
The company is now in full operation, having seven depots in London, also depots and wharves at Dublin, Liverpool, Cotchester, and Brighton. The directors are also supplying trucks of coal to the various stations in the Eastern Counties, Home Counties, and also on the south line of rails. To supply their trade promptly and Independently, the company has in constant working upwards of 300 railway trucks, and also owns a large stock of horses and vans in excellent condition.

The liability of shareholders is limited to the amount of shares taken. From

The liability of shareholders is limited to the amount of shares taken. From the rapidity with which the first bane of 50,000 shares was subscribed, and the applications already on hand, the directors anticipate being obliged at an early period to cluse the share list for the second issue.

Applications for detailed prospectuses and shares to be made to the managing director at the offices or depose of the company.

NICHOLLS, MATHEWS, AND CO., ENGINEERS, BEDFORD IRONWORKS, TAVISTOCK.

MANUFACTURERS of STEAM ENGINES of EVERY DESCRIPTION, made on the BEST and NEWEST PRINCIPLES. We beg more especially to call the attention of the public to the MANUFACTURE of our BOILERS, which have been tested by most of our leading engineers. PUMP WORK CASTINGS of EVERY DESCRIPTION, both of brass and iron. HAMMERED IRON and HEAVY SHAFTS of ANY SIZE. CHAINS made of the best iron, and warranted. MINERS TOOLS and RAILWAY WORK of EVERY DESCRIPTION.

ALL ORDERS FOR ABROAD RECRIVE their BEST ATTENTION. MIGHOLIS, MATHEWS, and CO. have had 29 years' experience in supplying machinery to foreign mines, and selecting experienced workmen to erect the same, where required.

Messis. NICHOLLS, MATHEWS, and Co. have always a LARGE STOCK of

where required.
Messrs, Nicholls, Mathews, and Co. have always a LARGE STOCK of
SECOND-HAND MINE MATERIALS in stock, and at moderate prices.

PATENT FLEXIBLE TUBING,
AND BRACTICE CLOTH FOR MINES,
MANUFACTURED BY
ELLIS LEVER,
WEST GORTON WORKS, MANCHESTER.

RAILWAY CARRIAGE COMPANY (LIMITED)

OLDBURY WORKS, NEAR BIRMINGHAM.

MANUFACTURERS of RAILWAY CARRIAGES and WAGONS, and EVERY
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Passenger carriages and wagons built, either for eash or for payment

over a period of years Hire.

RAILWAY WAGONS FOR
CHIEF OFFICES,—OLDBURY WORKS, NEAR BIRMINGHAM.
LONDON OFFICES,—6, STOREY'S GATE, GREAT GEORGE STREET,
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THE BEVERLEY IRON AND WAGON COMPANY
(J.IMITED),
MANUFACTURERS OF RAILWAY CARRIAGES AND WAGONS, WROUGHT
and CAST IRON CARRIAGE AND WAGONS, WROUGHT
ROW FOUNDERS. MAKERS OF PORTABLE FARM RAILWAYS, TURNTABLES, CROSSINGS, SWITCHES, &c. AGRICULTURAL MACHINISTS,
MANUFACTURERS OF FIELD, ROAD, and BARN IMPLEMENTS, PATENT
LORRY, CART, and CARRIAGE WHEELS, with WOOD OF IRON NAVES,
REAPING MACHINES, CLOD CRUSHERS, CORN MILLS, &c. SAW MILL
PROPRIETORS. GENERAL TIMBER CONVERTERS for home and foreign
RAILWAYS, STATIONS, BARRACKS, EXHIBITIONS, &c.
IRONWORKS BEVERLEY, YORKSHIRE.

JAMES DEWHIRST, SEC.

THE BIRMINGHAM WAGON COMPANY (LIMITED)
MANUFACTURE RAILWAY WAGONS of EVERY DESCRIPTION, for
HIRE and SALE, by immediate or deferred payments. They have also wagons
for hire capable of carrying 6, 8, and 10 tons, part of which are constructed specially for shipping purposes. Wagons in working order maintained by contract,
EDMUND FOWLER, Sec.

WAGON WORKS,—SMETHWICK, BIRMINGHAM.

, Loans received on Debenture; particulars on application.
London Agent—Mr. E. B. SAVILE, 67, Victoria-street, Westminster, S.W.

STAFFORDSHIRE WHEEL AND AXLE COMPANY (LIMITED),
MANUFACTURERS OF RAILWAY CARRIAGE, WAGON, and CONTRACTORS' WHEELS and AXLES, and other RONWORK, used in the CONSTRUCTION of RAILWAY ROLLING STOCK.
CHIEF OFFICES,
3 and 4, EXCHANGE BUILDINGS, BIRMINGHAM.

S and 4, EXCHANGE BUILDINGS, BIRMINGHAM.

SAXBY AND FARMER PATENT RAILWAY SIGNALS.—
CAUTION.—WHEREAS, in 1856, LETTERS PATENT were GRANTED to JOHN SAXBY, for his ORIGINAL INVENTION of LOCKING APPARATUS to PIREVENT ACCIDENTS at RAILWAY JUNCTIONS; and in 1858 and 1856 forther Letters Patent were granted to him for improvements upon such invention; and Messis, SAXBY and FARMER, PATENT RAILWAY SIGNAL ENGINEERS and MANUFACTURERS, of KILBURN, in the country of MIDDLESEX, are now the SOLE PROPRIETORS of THESE PATENTS, as well as of a patent granted to Austin Chambers, dated 5th January, 1850, and to Latimer Clark, dated 14th February, 1859; and of late various signalling apparatus have been advertised or made which are infringements of the above or of some or one of the above-mentioned patents.

ALL PERSONS and COMPANIES are HEREBY CAUTIONED AGAINST MAKING, VENDING, or USING ANY such SIGNALLING APPARATUS which are INFRINGEMENTS of the BEFORE-MENTIONED PATENTS, or some or one of them; and notice is hereby given that they will be held responsible for any such infringement.

EORGE FAITHFULL, SON, AND GOODE, 2, Whiteball-gardens, Westminster, S.W. (Solicitor for Messrs, Saxby and Farmer), Dated the 18th January, 1867.

BOWLING IRON COMPANY,
BEST CRUCIBLE CAST-STEEL TYRES, AXLES, CRANK

AXLES, BOILER PLATES,
Also COG WHEELS, and other CASTINGS. This company is prepared to furnish the above-mentioned articles in CAST STEEL of a very superior quality, made principally from their own well-known "BOWLING IRON."

Also BOWLING WROUGHT-IRON SOLID WELDLESS TYRES, of any siz and to any section.

BAGILLT OIL COMPANY (LIMITED),
MANUFACTURERS OF BLACK GREASE FOR COLLIERY WIRE ROPES, TRAMS, WAGONS, &c., £5 PER TON TORCH AND LAMP OIL, 1s. PER GALLON (Casks free). LUBRICATING OIL, 1s. PER GALLON (Casks free).

STEEL! STEEL!! STEEL!!!

JOHN TURNER, SHEFFIELD, AND STOCKTON-ON-TEES, MANUFACTURER OF SUPERIOR REFINED CAST STEEL for MINERS' DRILLS,

CUP and TURNING TOOLS, price and quality not surpassed. Try one bar, delivered free at manufacturers' prices.

J. Turner keeps in stock all kinds of tools suitable for engineers, mining purposes, and shipbuilders, at the Stockton depot, where all communications are requested to be sent.

INEXPLOSIVE BLASTING POWDER

INEXPLOSIVE BLASTING POWDER

(Invented by G. A. NEUMEYER)

CANNOT EXPLODE WHEN EXPOSED TO AIR!

ALL INTERESTED IN COLLIERY, MINING, AND ENGINEERING OPERATIONS are invited to TEST this NEW EXPLOSIVE COMPOUND, which meets with great favour upon the Continent, where it has been introduced nearly two years.

This powder combines strength with saperty to a degree never before known. It is more economical than ordinary blasting-powder:—

1.—Because it is cheaper in first cost.

2.—It is lighter than the blasting-powder now in usc.

3.—W'th same bulk (which will be less weight) greater effect is produced. EDWIN II. NEWNY is now prepared to register orders for the above. Particulars, post free, on application to the offices, 39A, King William-street, City, London.

G LAHOLM AND ROBSON, HENDON PATENT ROPERY, SUNDERLAND,

MANUFACTURERS of ALL DESCRIPTIONS of STEEL, IRON, and HEMP ROPES for COLLIERIES, SHIPS, &c.

Swan Rope Works.

A R N O C K, B I B B Y, A N D C O.,

CHAPEL STREET, LIVERPOOL,

MANUFACTURERS OF FLAT and ROUND HEMP and IRON and STEEL

WIRE ROPES for MINING, RAILWAY, and SHIPPING PURPOSES.

MANILLA ROPE OF SUPERIOR QUALITY, FIFTY PER CENT. STRONGER
and THIRTY PER CENT. CHEAPER than Russian hemp rope. of FIRST QUALITY WIRE, and the HIGHEST STANDARD WIRE ROPE of STRENGTH.

Patent Flat and Round Wire and Hemp Ropes, &c. JOHN AND ND EDWIN WRIGHT, PATENTEES, CITY OFFICE, 19, LONDON STREET, E.C. ESTABLISHED 1770.

Manufacturers of every description of IMPROVED PATENT FLAT AND ROUND WIRE ROPES,

From the very best quality of charcoal iron and steel wire.

PATENT FLAT AND ROUND HEMP ROPES.

SHIPS RIGGING, SIGNAL AND FENCING STRAND, LIGHTNING CONDUCTORS, STEAM PLOUGH ROPES (made from Webster and Horsfall's patent steel), WIRE, HEMP, FLAX, ENGINE YARN, COTTON WASTE, &c., UNIVERSE WORKS, MILLWALL, POPLAR, LONDON, UNIVERSE WORKS, GARRISON STREET, BIRMINGHAM.

NO. 2, OSWALD STREET, GLASGOW, CITY OFFICE, No. 19, LONDON STREET, LONDON.

NOTICE.—CAPT. S. M. RIDGE, of LLANIDLOES, MONTGOMERYSHIRE (late manager of the Brynpastig and Cwm Fron Mines, and others, in Shropshire and Wales), is NOW OPEN to INSPECT and faithfully REPORT UPON ANY LEAD MINE in either of these localities that may be confided to his care, having had better than 39 years' experience in lead mining, as miner and agent.—Address, Capt, S. M. Ridge, Llanidloes, Montgomery-shire.

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give The ply ugh n a

SOUTH FOWEY CONSOLS COPPER MINE,
Situate in the parish of TYWARDREATH, CORNWALL.
In 6000 shares.
On the Cost-Book System, which possesses all the advantages of the Limited Liability, without its fines, penalties, and winding-up cumbrous processes, as any shareholder can, at any time, terminate his Hability by a written notice to the purser.

Deposit on application, is, per share; payment on allotment, is, per share; all to go towards the general expenditure of the mine.
Future calls to be made as required.
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ROBERT THOMAS HEAD, Esq., the Briars, Exeter.
EDWARD LAMBERT, Esq., 28, York-terrace, Regent's-park, London.
E. W. BRYDGES WILLYAMS, Esq., Nankievel, St. Columb, Cornwall.
WILLIAM WEST, Esq., Tradenham House, St. Blazey, Cornwall.
W. S. SUTTON, Esq., Brighton.
(With power to add to their number).
BANKERS.
Messrs, Robarts, Lubbock, and Co., Lombard-street, London.
Messrs, Willyams, Treffry, West, and Co., South Cornwall Bank, St. Austell.
SOLICITORS.

R. W. Head, Esq., Exeter; and
Messrs, Hampton and Burgin, S. John-street, Bedford-row, London.
PURSER—Mr. William Polkinghorne, Woodlands, Par Station, Cornwall,
MANAGER—Capt. Francis Puckey, St. Blazey, Cornwall,
London Agent-Jehn Hitchins, Esq., St. Michael's House, Cornhill, London.
PROSPECTUS.

PROSPECTUS.

PROSPECTUS.

This sett extends nearly a mile in length from east to west, and half-a-mile in width from north to south, having on the south-west Par Consols, and on the north-east Fowey Consols, which mines have been two of the most productive in Cornwail, having yielded upwards of three million sterling in copper and tin ores, giving profits to the shareholders of more than four hundred thousand pounds. A shaft already sunk in the western part of the sett could be immediately made available, and when the water is drawn therefrom copper ores could be at once raised.

giving profits to the shareholders of more than four hundred thousand pounds. A shaft already sunk in the western part of the sett could be immediately made available, and when the water is drawn therefrom copper ores could be at once raised.

Twelve highly promising copper lodes have been discovered within the sett, from two of which, some years since, a quantity of copper ore of good quality was raised and sold; but from want of sufficient capital, these and the other lodes were not explored.

It was always the intention of the late enterprising and successful miner, Joseph Thomas Treffry, Esq., to have properly developed this mining property. The Cornwall Railway passes through the property. Par Station adjoins it, and Par Shipping Harbour is about a mile distant; hence the produce of the mines and all necessary stores can be conveyed at comparatively very little expense, which are advantages of great importance.

Several working miners, who have been employed in the adjoining mines for manny years, think so highly of the sett that they have subscribed for by hinabitants of the neighbourhood; this is a proof of the high ophilon held by those who best know the ground.

Leases for 21 years have been secured within the last year on advantageous terms, the dues ranging from 1-18th to 1-16th.

It is intended by mutual arrangement with the Fowey Consols Mine adventurers to unite with their setts, with a view of further developing several very promising lodes, which are known to exist in maiden ground, in the Fowey Consols agree to suspend the old and deep workings of their mine, and to make over their right and interest in the present setts and machinery to the new company, of which they will form a part to the extent of £0000 (the value of the said setts and machinery), to be apportioned to their mine, and to make over their right and interest in the present setts and machinery to the new company, of which they will form a part to the extent of £0000 (the value of the said setts and machinery) to be apportioned t

REPORTS.

South Caradon Mine, Liskward, Nov. 17, 1886.—Having been one of the principal agents of the Fowey Consols Mines for 18 years, which join the ground intended to be worked by the above company, I know the whole set well, and that there are several very promising lodes contained in it that are well deserving of vigorous development, and, if that is done, my firm belief is the parties will be well remnnerated for their outlay.

Surbiton, Kingston-on-Thames, Oct. 27, 1866.—The mining ground, for the exploration and working of which it is proposed to form a company or association, under the title or denomination of the South Fowey Consols Copper Mining Company, is situated south of and immediately contiguous to the well-known, and for a long period largely productive, Fowey Consols Mines, and contains several large and, with one or two exceptions, hitherto untried lodes of considerable promise; and from my personal knowledge of the ground in question, and taking into account the facility with which it can be explored to a satisfactory extent, at a comparatively small expense, by means of water power obtainable from the adjoining mines, which I presume will render it unnecessary to have recourse to steam-power, and bearing in mind also the highly metalliferous character of the district, I have no hesitation in stating that I consider it to be an excellent speculation for the investment of capital, and that if explored in an effectual and systematic manner, and with a due regard to economy, there is, in my opinion, every probability of its becoming within a reasonable period, remuneratively productive.

St. Blazey, Nov. 12, 1869.—This extensive mining sett is situate in the parish

every probability of its becoming within a reasonable period, remuneratively productive.

8t. Busen, Nov. 12, 1866.—This extensive mining sett is situate in the parish of Tywardreath, and joins the southern boundary of Fowey Consols Mine. It is a very promising plece of mineral ground, containing numerous iodes parallel with Fowey Consols does, and which lodes have been so very productive in Fowey Consols Mine particularly at the shallow levels. These lodes are of the most favourable character for producing rich bunches of copper ore, being embedded in a beautifully mineralised stratum of kills, and in the direct parallel line of productive mineralised stratum of kills, and in the direct parallel line of productive mineralised stratum of kills, and in the direct parallel line of productive mineralised stratum of kills, and in the direct parallel line of productive mineralised stratum of kills, and in the direct parallel line of productive mineralised stratum of kills, and in the direct parallel line of productive mineralised scontains. Sawle's Mine, "which is sunk to the soft milevel, but only worked to a small extent, and on one lode. The lode is large, and produced a large quantity of copper ore. The lodes above referred to, and which i recommend being worked, are both north and south, and within a short distance of the one worked on in Sawle's Mine, and of equal promise for producing rich number, have been intersected by driving an adit northward from the valley below. Some of them are of an exceedingly promising character, for lodes seen at such a shallow depth, being only a few fathoms below the surface, where they have produced rich stones of copper ore. For the effectual working of these lodes in the southern portion of the sett, i recommend a good engine-shaft being sunk in the central part thereof. But for the development of this valuable mineral property, I would most strongly recommend as good engine-shaft being sunk in the central part therefor. It also recommend the abandon ment of such portion of part of the samk perpendicularly as where sunk perpendicularly as the softm. Level into the southern or new sets, as the softm. Level into the south to cut the the 40 fathom level. These shafts are only about, and are in a good position for working several flee striking advantages of uniting with the south be that the north index of the south or new setting set "and "May's" shafts, from the cross-cuts per levels, with considerably less expense than from derile, the lodes are always dipping or inclining derile, the lodes are always dipping or inclining the setting of the south of the orthward towards these shafts. Another very important consideration is that the valuable plant, engines, and other machinery of Fowey Consols could be at once made available in carrying out the aforesaid objects, besides which the large and powerful stream of water which is now used for working hydraulic engines in the deep part of the old mine eastward, could be diverted therefrom, and made applicable for working a water-wheel at the new shaft, and which would obviate the necessity of crecting a new steam-engine for the speedy development of the several lodes referred to. These advantages I consider to be more than ordinary, and from the locality and mineral-producing character of this new south ground, I am of opinion that, with sufficient capital to prove the mine, combined with perseverance and economy, the shareholders will be well remunerated for their outlay, and that it will prove a lasting and profitable mine—indeed, I do not know a better speculation in the county of Corn wall.

FRANCIS PUCKEY,

Managing Agent, Fowey Consols, Par Consols, and Cuddra Mines.

Deleasth Mine, Camborne, Dec. 11, 1886.—This sett lies immediately to the south of Fowey Consols, which has been so very productive for a long period, and is in the same geological formation. Several lodes have been discovered in the sett, one of which is said to have been worked on to the depth of so fathoms below adit, and to have produced considerable quantities of copper orc. Some of the other lodes have only been seen in the adit level. We understand that it is proposed to work the sett in connection with Fowey Consols, which will be a great advantage, as that mine is sunk to a great depth, and provided with ample machinery for pumping, &c., so that cross-cuts can easily be extended into the new sett to intersect several of the lodes. Looking at the position of the mine, and at all the circumstances in connection therewith, we consider it to be a speculation of no ordinary promise, and one which is likely, if extensively worked, to be profitable to the adventurers. — CHARLES THOMAS & SON.

In addition to the above reports, there are several others open for inspection.

In addition to the above reports, there are several others open for inspection from different mine agents and old tributers; but it is considered enough has been said, and the authorities quite sufficient, to show the importance of this

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

PURSUANT to an Order made in the Cause of Martyn v. Hambly, the CREDITORS in respect of MULBERRY HILL MINE, in the parish of Lauivet, within the said Stannaries, are, on or before the 9th day of February next, to COME IN and PROVE THEIR DEBTS before the Registrar of the said Court, at his office in Truro, or in default theroof they will be peremptorily excluded the benefit of the said Decree.

Dated Registrar's Office, January 24th, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NEW WENDRON CONSOLS MINING COMPANY.—The Registrar of this Court has appointed Friday, the 1st day of February next, at Eleven o'clock in the forenoon, at the Registrar's Office, at Trino, to SETTLE the LIST of CONTRIBUTORIES of the ABOVE-NAMED COMPANY, now made of 1 and deposited at the said office.

WM MICHELL, Registrar of the said Charles.

Dated the 23d day of January, 1867.

In the Court and a series of the said Court.

In the Court of the Vice-Warden of the Stannaries Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the NEW WENDRON CONSOLS MINING COMPANY.—ALL CREDITORS OF CLAIMANTS of the ABOVE-NAMED COMPANY who have not received notice from the Registrar of the said Court that their claims have been already admitted, are hereby REQUIRED to COME IN and PROVE THEIR SEVERAL DEBTS or CLAIMS at the Registrar's Office, Truro, on Monday, the 4th day of February next, at Eleven o'clock in the forenoon, or in default thereof they will be excluded from the benefit of any distribution made before such proof.

thereof they will be excluded from the benefit of any distribution made before such proof.

And for the purpose of such proof they are either to attend in person, or by their solicitors or competent agents, or (unless such attendance be required by the Registrar's summons) they are to send affidavits of their several debts or claims to the Registrar of the Court at Truro, such affidavits being sworn either before some Commissioner of the said Court, or before any Court, Judge, Justice, or any Commissioner of one of the Superior Courts lawfully authorised to take and receive affidavits and affirmations.

WILLIAM MICHELL,

Registrar of the above-named Court, Truro, Cornwall.

Dated Truro, the 22d day of January, 1867.

In the Court of the Vice-Warden of the Stannaries Stannaries of Cornwall..

IN the MATTER of the COMPANIES ACT, 1862, and of the WHEAL WILLIAM MINING COMPANY.—TENDERS will be received by the Registrar of the Vice-Warden's Court, at Truro, until Saturday, the 9th day of February next, stating the highest price which will be given for the MINE SETT or GRANT, and the whole or any part of the MACHINERY, MATERIALS, and OTHER EFFECTS at WHEAL WILLIAM MINE, near Locking Gate, in the parish of Luxuivan, viz.:—
ONE 29 in. cylinder STEAM ENGINE, 6ft, stroke, and fly-wheel.
ONE BOILER, stons; 16 head iron stamps, axie with 15 heads; round buddle gear and launders; new stamps, guides, heads, &c.; 6 9ft. 11 in. pumps; 1 11 ft. 10 in. working barrel; 1 5 ft. 10 in. doorpiece and door, 1 9 ft. 10 in. windbord, 30 fms, iron rods, bucket rods and bucket, flange pins, pulleys and stands; bhalance-bob and rod; shaft bob and main rod; sweep rod, swords, &c.; sweral fathoms of Launders, whim chain, tackle, kibbles; 5 fm. ladder, and sundry timber and iron.
For inspection, apply to Mr. JNO. TUCKER, in charge thereof.
Dated Truro, January 24th, 1867.

In the Court of the Vice-Warden of the Stannaries. Stannaries of Cornwall.

IN the MATTER of the COMPANIES ACT, 1862, and of the WEST WHEAL PROSPER MINING COMPANY.—TO BE SOLD, under the direction of the Registrar of the said Court, BY PUBLIC AUCTION, on Tuesday, the 5th day of February next, at Eleven o'clock in the forenoon, at the WEST WHEAL PROSPER MINE, in the parish of Lanivet, within the said Stannaries, in lots, the MINE SETTS or GRANTS or the said company, and the underrmentooned MINING MACHINERY and MATELIALS, viz.:—ONE 30 In. ROTARY STAMPING ENGINE, with fly-wheel.
ONE 10 ton BOLLER; 48 heads of stamps; stamps guides, frames, plunger lift, shaft bob and rod, several new iron stamp axies, 44 iron lifters, 2 new cranks, new dressing-floors, 3 saddles and 5 plummer blocks, water-wheel for driving buddles, 6 round buddles; wood launders, with stands of various sizes; 2 racks, I large tin hutch, wire-rope cage for letting down tram wagons, sundry cast-iron heads and tappets, tram wagons, new wagon wheels, ladders, and other articles. Account-house and office furniture.

HODGE, HOCKIN, AND MARRACK, Solicitors, Table Dated Registrar's Office, Truro, January 23d, 1867.

IMPORTANT SALE OF MACHINERY AND OTHER EFFECTS AT

IMPORTANT SALE OF MACHINERY AND OTHER EFFECTS BERSHAM COLLIERY, NEAR WREXHAM, DENBIGHSHIRE.

MESSRS. BAUGH AND JONES have been instructed to offer for unreserved SALE, by Allerthy. MESSRS. BAUGH AND JONES have been instructed to offer for unreserved SALE, BY AUCTION, upon the premises of the Bersham Colliery (about one mile from the town of Wrexham), on Tuesday, February 5, 1837, subject to conditions, the following very VALUABLE MACHINERY and EFFECTS—viz., TWO COUPLED HORIZONTAL ENGINES, 89-horse power, with winding shaft and gearing, fly-wheel, breaks, &c.; TWO DOUBLE-FLUED BOILERS, 30 feet long by 6 feet in diameter, with furnace-doors, bars, &c., complete; small DONKEY ENGINE, for filling boilers (all quite new), by Messrs. H. and J. Ellis, engineers, Manchester; pit-head, complete; large iron crane, with chains attached; quantity of iron pit tubing; smith's bellows, anvils, vice, and an assortment of smith's tools; new and old fron; two new sham register grates; quantity of planks and boards; cart wheels, barrows, brick moulds, tables, benches, and blocks; carpenter's bench, ladder, grinding stone, quantity of oak pit curbs, chain ropes, spades, mattocks, and sundry other articles and effects.

For further particulars, apply to Mr. James. Solietor, Bryanfings Officer.

ticles and effects.

For further particulars, apply to Mr. James. Solicitor, Brynyffynon Offices; or to the Auctioneers, Temple Chambers, Wrexham.

Sale at Eleven for Twelve o'clock punctually.

N.B.—There is every probability that the purchaser of the above machinery may be able to treat with the owners of the minerals to lease the working of

may be able to treat with the owners of the minerals to lease the working of this colliery.

The Bersham Colliery is close to the main line of the Great Western Railway, and is, from its position, unrivalled in the district, either for local sale or for transmitting to the neighbouring markets and to Birkenhead for exportation. On the north-west side of it are the Vron and other collieries of the Wrexham district, and on the south side, and close to it, are the Bryn-yr-owen and Haved-y-bwch collieries of the Ruabon district, all in active operation; and nodes to exists that all the several seams of coal abounding in each of those district will be found workable under the lands belonging to this colliery.

GLAMORGANSHIRE.

SALE OF A VALUABLE COLLIERY. MR. ROBERT EVANS WILL SELL, BY AUCTION, in One Lot, by order of the mortgages, at the Angel Hotel, Cardiff, on Weduesday, the 8th day of February, 1867, at Two o'clock in the afternoon precisely, a VALUABLE COLLIERY, known as—

THE GILVACH COLLIERY,

THE GILVACH COLLIERY,
In full working order, situate in the parish of Liantrissant, in the county of Giamorgan, about 17 miles from Cardiff, comprising the VALUABLE SEAMS of COAL known as the Nos. 2 and 3 Seams, Rhondda Valley, the Abergorky Seam, and the Steam Coal Seams and other Mineral Siying under the Gilvach and Trane Estates, containing about 449 acres, and held on lease for terms of which 55 years, or thereabouts, are unexpired, at moderate revalties.

The Gilvach extension of the Ely Valley branch of the South Wales Railway runs through the property, placing the colliery in direct communication with Cardiff Docks, and with the Great Western Railway.

All the necessary works and appliances, including manager's house, several cottages and buildings, have been erected, and very commodious railway sidings, tipping stages, and roads formed.

The colliery has been thoroughly opened (the No. 2 Seam by free level, and the No. 3 Seam by engine slants), and is capable of now producing about 200 tons per day, which may be greatly increased.

The No. 3 seam is one of the best coals known for coking purposes.

Particulars and conditions of sale, with plans, may be obtained of the No. 3 Seam by engine slants, and swansea; and of Mr. Robert Evans. Inns at Cardiff, Newport, Bridgend, and Swansea; and of Mr. Robert Evans. Inns at Cardiff, Newport, Bridgend, and Swansea; and of Mr. Robert Evans.

GLAMORGANSHIRE.

VALUABLE COLLIERIES FOR SALE NEAR NEATH. MR. THOMAS THOMAS WILL SELL, BY AUCTION, at the Castle Hotel, Neath, on Thursday, February 7, 1867, at Four o'clock in ternoon, subject to conditions of sale to be then produced, all those COL-ES, with the VEINS, MINES, and SEAMS of COAL, and other MINE-held with the same, commonly called and known by the name of

BRITHDIR, CWMDU, AND COURT HERBERT COLLIERIES, tate in the parishes of CADOXTON-JUXTA-NEATH and LLANSAMLET, he county of GLAMORGAN, containing in the whole about FOUR THOU-TO AGRES, together with all the ERGINES, PLANT, and MACHINELY

belonging thereto.

Full particulars of the leases, and terms under which the leasehold particulars are held, can be obtained upon application to JAMES KEMPTHOINE, Est. Soft-citor, Neath; or to the Auctioneer, at his offices at Neath and Swansea.

NOTICE.—THE SALE of the MINES and MINERALS under part of the GLANBRANE ESTATE, advertised for sale at the Cashle Hotel, Neath, for the 1st February next, is POSTFONED until further neather Neath, Jan. 18, 1867.

TO BE LET, in the SOUTH WALES COAL BASIN, the COAL and IRONSTONE UNDER the FARMS of CWM GARNANT GORSE GARNANT, and BRYNCETHIN, in the parish of BETTWS. In the sounty of CARMARTHEN. The property is connected by rail with the ship ping ports of Lianelly and Swansea.—For further particulars, apply to Messre Field, Roscoe, and Co., 26, Lincoln's Inn-fields; or to Mr. WILLIAM ROSSER

TENDER.

BY TENDER, the DUN MOUNTAIN COPPER MINES.—TO BE 80, and BUILDINGS belonging thereto, and the LiVE and DEAD STOCK therewith, situate at NELSON, in NEW ZEALAND.

The property consists of the following particulars:—
A FIREHOLD MINING ESTATE, called the DUN MOUNTAIN, shat Nelson, in New Zealand, containing by admeasurement 1687 acres, littless or less, with all the timber and timber-like trees growing thereon.

Another FREEHOLD ESTATE, contiguous to the said Dun Mountain, taining aparated of 290 acres.

Also, TWO PIECES of FREEHOLD LAND in Brock-street and Alton-shalm in 134 acres or thereabouts, with houses, stables, offices, and bulk standing thereon.

Also, TWO The states of thereabouts, with nonsec, standing 1% acres of thereabouts, with nonsec, standing thereon.

Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the total through the states of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the total through the states of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, a FREEHOLD TRACT, 1 chain wide, through the estates of J. New Also, and the property of the through the estates of J. New Also, and the property of the through the estates of J. New Also, and the property of the through the estates of the through the property of the through the estates of the through the through the estates of t

Also, a FREEHOLD TRACE, I chain white, through the town of Nelson T. R. Hackett, and others.

The RAILWAY RAILS on the said Dun Mountain to the town of Nelson Railway, with the sleepers tarry to belonging, as the same now stand. There about 14 miles of railway.

Together with the HORSES, WAGONS, and ROLLING STOCK, &c., 40 tenant to such mining property.

For further particulars, apply to Messes, Oliverson, Peacher, Denny, Peacher, solicitors, 8, Frederick's-place, Old Jewry, London, to whom to may be sent.

VALUABLE COAL FIELD IN THE WEST OF FIFE TO LET.

VALUABLE COAL FIELD IN THE WEST OF FIFE TO LET.

TO BE EXPOSED TO LET, BY PUBLIC ROUP, within Town-house of Dunfermline, on Tuesday, the 12th day of February, at Twelve o'clock noon, on a lease for 21 years, from and after Whitsunday, or such longer period as may be agreed upon, the WHOLE SEAMS of 0; SHALE, IRONSTONE, and FIRECLAY, in and under a portion of the belonging to the Burgh of Dunfermline, extending to 150 imperial achereby, and lying about two miles north-east of the burgh.

Most of the coal seams, which have rendered the collieries of Wellwood, 7 hill, and Halbeath so famous, are known to be in these lands. There is facility for conveying the minerals now to be let, by railway or otherwical differences.

all directions.
Further information may be had, and the conditions of let seen, on age
tion to DAYID LANDALE, Esq., Mining Engineer, Edinburgh; or to JOHN
DALE, Esq., Town Clerk of Dunfermline.—Dunfermline, Jan. 15, 1867.

ELYNOG LLANTWIT COLLIERY—FOR SALE,
PRIVATE CONTRACT.
The Liquidators of the GELYNOG LLANTWIT COLLIERY COMPANY
MITED) wish to DISPOSE OF the valuable PLANT and MACHINERY, tog
with the unexpired term of the LEASE of this Colliery. The Plantag
chinery is in good order: it has been laid down during the past two year
comprises everything necessary for working the colliery.
Further particulars, and orders to view, may be obtained on applicant
ALFRED BARKER, Esq., 1, Westminster Chambers, Victoria-street, Londer
of the Official Liquidators.

DEAN FOREST, GLOUCESTERSHIRE

VALUABLE COAL FIELD.—TO BE SOLD, OR all the FREEHOLD INTEREST in a rich COAL FIELD of 32 lying in the deep of and adjoining two coal fields, which have been pse worked for many years, but are now nearly exhausted. Fire-damp is us in the Dean Forest Collieries, and the principal vein lies generally under top. The property is linked by direct communication with the Port of cester.—For further particulars, apply to Messrs. Debenham, Tewss Farmer, Land Agents, 80, Cheapside, London.

FOR SALE, and may be seen at the Ashburton Mines, 56 in. PUMPING ENGINE, with TWO 11 ton CORNISH made BO ONE 40 in. PUMPING ENGINE, only made a short time, and as good, with an 11 ton BOILER. A 24 in. WHIM ENGINE, with stamps attached 11 ton BOILER. Several WATER-WHEELS of various sizes, one with excellent drawing machine attached. Pumps and materials of all sizes.—Application may be made to Mr. W. MATHEWS, engineer, Tavig can be seen on application to people in charge of the mine.

LEAD MINE,—FOR SALE, BY PRIVATE CONTRACT
LEASE, PLANT, and MACHINERY of the TEES SIDE MINALSTON, CUMBERLAND. The sett is very extensive, and is traverse veral powerful velns; from one of them 1000 tons of lead ore has been from a shaft 20 fathous deep, and on a length of ground about 50 fath extent, at 1-7th dues. The dues are now 1-20th. Lodgings for minershops, stabling, &c., are all in order for immediate operations.

The agent on the mine will show the property, and for other particulate of Mr. J. H. Robinson, 21. Cumberland-row, Newcastle-on-Tyne; or Mesmand Hoyle, Suiffley, and Hoyle, Solicitors, Newcastle-on-Tyne; or Mesmand Hoyle, Solicitors, 123, Cannon-street, London.

IMPORTANT IRONWORKS IN MONMOUTHSHIRE FOR SALE THE CWMCELYN, BLAINA, AND COALBROOK

THE CWMCELYN, BLAIMA, AND COALBROOK I IRONWORKS, BRAND C C, TO BE SOLD, BY AUCT the Auction Mart. London, at the end of February, 1867, at One o'clost previously sold by private centract.

These Works comprise ONE THOUSAND ACRES of MINERAL PROF of which 410 are freehold, BLAST FURNACES, FORGES, and MILLS; all caby a complete system of railways; together with LOCOMOTIVE ENGR. DRIES, ENGINEERING SHOPS, and TIMBER SAW MILLS; all caby a complete system of railways; together with LOCOMOTIVE ENGR. So,000 tons of finished iron.

There is a population of 7000 to 8000 attached to the works, with ample accommodation, including about 1000 houses belonging to the property. The minerals are well opened and drained, and in quality and quantito any in the district; the coal for steam purposes is unsurpassed. The brand, or make, of the iron is well known in Great Britain, one tinent, the United States, and the Colonies.

The works are distant twenty miles from Newport, and are interseed Monmonthshire Railway, affording a direct transit to the shipping paiso to the luland markets.

The property is well worthy the attention of capitalists, who are interact for the purchase by private contract.

The property may be viewed, and particulars with every informational by application to Mr. F. LEVICK, Blaina Ironworks, near Newport, Meshire; Messrs, Quiller, Balla, and Co., 3, Moorgate-street, London; all SECRETNA, Woodmouts, and Coloners, Newport, Monmouthshire.

CHARCOAL IRONWORKS FOR SA nace, hollow free, there refineries, two pud naces, hollow fires, harmers, and mill power, complete in every respected enterpair (much of it being nearly new), and now in full world tons per week of best charcoal bars. In addition to which there appliances for making 25 to 30 tons per week of best coke bars. There sheet mill, new, and capable of turning out 20 tons of charcoal or a per week.

sheet mill, new, and capable of turning out 20 tons of capable per week.

The works are situate in a district abounding in wood for charcal direct railway communication with the chief manufacturing towns of and South Wales.

The blowing-engine and all the machinery are worked by water which there is an ample supply; but there is also atcamengine power and, in dry seasons, used as an auxiliary power when needed.

There are a manager's house and 21 worknen's cottages attached to together with upwards of 20 acres of fine meadow land.

The whole is held under a lease for 21 years, of which 16 are unexperted and capable of the content of the conten

The whole is held under a lease for 21 years, of which is are unex very moderate rent.

To the capitalist, desirous to purchase and enter upon a lucrativ without any delay, these works offer advantages seldom combined. Reference (by his kind permission) to JOHN LAWBENCE, Esq., Cwml works, Newport, Monmouthshire.

SUITABLE FOR A HARDWARE MANUFACTORY

SUITABLE FOR A HARDWARE MANUFACTORY.

TO BE LET, for a term of 99 years, a most VALU and ELIGIBLE SITE of from FIVE to FIFTEEN ACRES, with falling stream of water passing through. Large collieries are in the meighbourhood, tin and wire works within a mile, and extensive loss carried on in the same valley. There is a first-class station within at which 20 passenger trains stop daily; the property is on a level with and a siding may be constructed with great facility.

The Great Western and the London and North-Western trains work of the district and the traffic of the station referred to, and the sharp tion of these great railway companies has tended to reduce the ras lowest possible charges.

For further particulars, apply to Messrs. Debenham, Tewsox, and Junton, Land, and Estate Agency Offices, 80, Cheapelde, London, Ed.

TO CAPITALISTS, PUBLIC COMPANIES, AND OF PROPERTY FOR IMMEDIATE DISPOSAL BY PRIVATE OF SITUATE IN NORTH WALES, within about four miles of shipping per place a railway, running for nearly two miles parallel to and with hundred yards of the estate, will enable the produce to be conveyed;

bundred yards of the estate, will enable the produce to be conveyed nominal cost. There are upon the property four or five very SLATE VEINS and a VALUABLE COPPER MINE.

Three quarries have been opened, and the works in either case by the completion, several cargoes of excellent slates having been starge quantity of very rich copper ore. There are about 800 yards of shafts, about one mile of iron rails laid down, trespond to the control of the control o

large quantity of very rich copper ore. There are about see yi 109 yards of shafts, about one mile of iron rails laid down, pur magazine, &c.

The lease is for a term of NINETY-NINE YEARS, WITHOUT A ROYALTY WHATEVER. These unusually favourable terms very the value of the property. There are reports and opinions of set the most eminent authorities as well as other opinions as to the can attree of the property. In addition to the three quarries aliade velu of slate has been opened upon and tested. The property of addities for sub-letting in four or five divisions, exclusive of it quarries being far apart, and the existing works as advanced in either division being sufficiently large for one company or firm.

The property possesses great natural advantages. Many thousal have been expended on the works, which have been carried out in substantial manner, the heavy expenditure of capital and inetime attending the opening of all quarries having been already in terms of purchase will be made easy; one-third will be required in which must be paid at once, and half at a date to be decided upon of the whole purchase money may remain on mortgage of the least the decided of the whole purchase money may remain on mortgage of the least to the decided upon.

R O B E R T L I B B Y A N D
MINE AND SHAREDEALERS,
CAMBORNE, CORNWALL. SON 867.

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J. New

&c., ap

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SALE

IMPORTANT REDUCTION IN THE PRICES OF PORTABLE ENGINES FOR 1866.

CLAYTON, SHUTTLEWORTH, AND CO
ENGINEERS,
MANUFACTURERS OF PORTABLE and FIXED STEAM ENGINES,
MACHINERY for PUMPING, HOISTING, GRINDING,
SAWING, &c.
NGINES for STEAM CULTIVATION, SELF MOVING ENGINES for COMMON ROADS, and AGRICULTURAL PURPOSES GENERALLY.
STAMP END WORKS, LINCOLN, and 78, LOMBARD STREET, LONDON.
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BAHNHOF, PESTH.

Descriptive, illustrated, and priced catalogues free per post.

A N D Y S, VIVIAN, AND CO. COPPER HOUSE FOUNDRY, HAYLE, CORNWALL, ENGINEERS, IRON AND BRASS FOUNDERS.

NUFACTURERS of PUMPING ENGINES for WATER-WORKS, MINING MACHINERY, MATERIALS, and TOOLS of every description. Oreign mines supplied on the best terms, and at the shortest notice. Secondad Mining Machinery and Pitwork in Stock; also a new 4 and a 2-horse rer high-pressure vertical engines, with boilers, and a second-hand and the spine condensing.

Ilm engine, concensing.

VILLIAMS'S PERRAN FOUNDRY COMPANY,
PERRANARWORTHAL, CORNWALL.

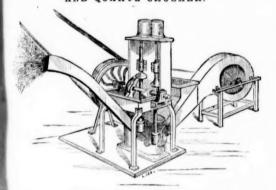
MANUFACTURERS of STEAM PUMPING and EVERY OTHER KIND of
KGINES, together with BOILERS, PUMP CASTINGS, and MINING TOOLS
overy description, of the very best quality. Estimates given for the supply of
y amount of machinery.
London Agent.—Mr. Edward Cooke, 76, Old Broad-street, London, 2...

ICKFORD'S PATENT SAFETY-FUSE OBTAINED the PRIZE MEDALS at the ROYAL EXHIBITION of 1851, at the INTER-PROVAL EXHIBITION of 1862, in London, and at the IMPERIAL EX-SITION held in Paris, in 1865.



TURERS of PATENT SAFETY-FUSE, having been informed that the name of their Brin has been attached to fines not of their manufacture, beg to call the attention of the trade and public to the following announcement:—EVERY COIL of FUSE MANUFACTURED by them SEPARATE THREADS PASSING THROUGH the COLL MY of DER, and BICKFORD, SMITH, AND CO. CLAIM SUCH TANDER THREADS AS THEIR TRADE MARK.

PATENT ATMOSPHERIC ORE STAMP AND QUARTZ CRUSHER.



HIS is an IMPROVED STAMP, and will give as many blows per minute as an ordinary 10-stamp mill, and of far greater force, giving a effective blow of from 150 to 200 tons per minute, and will crush any known to an impalpable powder, saving every particle of the product for future rations.—a result not before obtained by any stamping process. Greater somy is combined than by any other known method. The patentee has teld a machine near his office, where he invites (by appointment) experienced a practical miners, engineers, chemists, metallurgiets, and all others interact, to inspect its results. Every faelity will be given for experiments upon the production of the producti

No. 481, NEW OXFORD STREET, LONDON, W.C. 177

O M A S T U R T O N A N D S O N S,

MANUFACTURERS OF

CAST STEEL for PUNCHES, TAPS, and DIES, TURNING TOOLS, CHISELS, &c.
CAST STEEL PISTON RODS, CKANK PINS, CONNECTING RODS, STRAIGHT and CRANK

ANLES, SHAFTS and
FORGINGS OF EVERY DESCRIPTION.
DOUBLE SHEAR STEEL BLISTER STEEL, TURTON SPRING STEEL, EDGE TOOLS MARAED WM. GREAVES & SON.

Locomotive Engine, Railway Carriage and Wagon Springs and Buffers. SHEAF WORKS AND SPRING WORKS, SHEFFIELD.

ON WAREHOUSE, 35, QUEEN STREET, CANNON STREET, CITY, MCA Where the largest stock of steel, files, tools, &c., may be selected from.

Gun-Cotton-By Royal Letters Patent.



PRENTICE'S BLASTING GUN-COTTON
PRODUCES NO SMOKE, and having been further REDUCED in PRICE is now by far the CHEAPEST as well as the
SAFEST material which can be used in any description of mining
or quarrying work.
Sample cases, together with every information, may be obtained from—

THOMAS PRENTICE AND CO., 173, FENCHURCH STREET, LONDON, E.C. AGENT-Mr. Thorne.

U N - C O T T O N has been constantly used with great success in the tunnel of the Aberdeen Water-Works, lately open of the Most Gracious Majesty the Queen.

TTRO-GLYCERINE, OR NOBEL'S PATENT BLASTING OIL.—The EXPLOSIVE FORCE of this BLASTING OIL IS TEN TIMES OF GUXPOWDER, and the ECONOMY and SAVING IN TIME, LABOUR, COST in removing granite and hard rock, in sinking shafts, driving tunand opening forward in close ends is immense.

will not explode from a spark or fire, but from concussion alone, and is concently much less dangerous than gunpowder or gun-cotton. ding heavier than water it sinks to the bottom of a wet hole, no other tamp-

heavier than water it sinks to the bottom of a wet hole, no other tampa water being required, which is now being used with wonderful effect large of this blasting oil, which is now being used with wonderful effect e largest slate quarries in North Wales, will displace as much slate rock rive charges of gunpowder; and its great force, acting on a large of good slate rock, shakes and displaces it at the natural joints, or without damaging the slabs nearly so much as the more numerous on any other blasting material would do.

Naturally quarrying agent may now be obtained from Meser (1) when the patentee.

C U T T I N G M A C H I N E R Y .

ARDSLEY COMPANY having, by recently patented improving a coal cutting machinery, worked by compressed air, a s, perfected their coal cutting machinery, worked by compressed air, are READY to MAKE CONTRACTS for the CONSTRUCTION and USE of MACHINES.

MACHINES.
results of twelve months' experience in the working of these machines, by
est Ardsley Company, have proved most satisfactory, their use being found
EAPEN the COST and IMPROVE the average SIZE of the COAL, to
TEN the LABOUR, and also to MODIFY the SANITARY CONDITION
MINE.

le MINE.

J communications to be made to Messrs. FIRTH, DONNISTHORPE, and BOWER,

B. Britannia-street, Leeds.

OTICE.—The WEST ARDSLEY COMPANY, having reason to believe that their patents are being infringed upon, hereby give nothat they will TAKE LEGAL PROCEEDINGS AGAINST ALL PARTIES may MAKE FOR SALE, or USE ANY MACHINERY in the construction lich any such infringement is MADE.

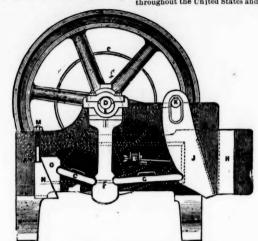
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PATENT STONE BREAKER. BLAKE'S OR ORE CRUSHING MACHINE,

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It is rapidly making its way to all parts of the globe, being now in profitable use in California, Washoe, Lake Superior, Australia, Cuba, Chill, Brazil, and throughout the United States and England. Read extracts of testimonials:—



land. Read extracts of testimonials:—

The Parys Mines Company, Parys Mines, near Bangor, June 6.—We have had one of your stone breakers in use during the last twelve months, and Captain Moreom reports most favourably as to its capabilities of crushing the materials to the required size, and its great economy in doing away with manual labour.

For the Parys Mining Company, JAMES WILLIAMS.

H. R. Marsden, Esq.

Ecton Emery Works, Manchester.—We have used Blake's patent stone breaker made by you, for the last 12 months, crushing emery, &c., and it has given zery satisfaction. Some time after starting the machine a piece of the moveable jaw, about 20 lbs. weight, chilled cast-iron, broke off, and was crushed in the jaws of the machine to the size fixed for crushing the emery.

H. R. Marsden, Esq.

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Alkali Works, near Wednesbury.—I at first thought the outlay too much for so simple an article, but now think it money well spent. WILLIAM HUNT.

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This patent pump is the MOST EFFICIENT in existence for LIFTING ANY QUANTITY of WATER from ANY DEPTH. One lifting from a depth of 170 ft. may be seen at work daily, on application to the SOLE LICENSEES.

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BRITISH DIVIDEND MINES.

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BRITISH MINES WITH DIVIDENDS IN ABEYANCE.

1200 Bryn Gwyn, I, Mold* 2880 Clifford Amalgamated, c, Gwen	9 0 0	01/ 9 91/			6Aug. 1865 0June. 1865
1055 Craddock Moor, c, St. Cleer	11 19 0	3/8 0 0/8			
6000 East Carn Brea, c. Redruth	2 15 0	91/ 91/ 91/			0June, 1865
6000 New Birch Tor and Vitifer Cons. t	1 0 0	948 . 948 948			0June, 1865
6000 West Basset, c. Illogant	1 10 0				0Oct. 1865
1024 Wheal Exmouth, & Christow	1 10 0	1			0July, 1865
1024 Wheat Eximouth, a, Christow			 	9 2	6Oct. 1865

FOREIGN DIVIDEND MINES.

15000 Cape Copper Mining * †	7 (0 0	91/2	834 934	 2 12 6 0 10 0 April, 1866
21500 East Indian Coal, Calcutta	10	0 0			
25000 Fortuna, l. Spain*+	2 0	0	21/4	134 214	 1 5 4 0 2 0 Oct. 1866
20000 Gen. Mining Assoc., Nova Scot		0		20 22	 22 9 0 1 0 0 June, 1866
10000 Gonnesa, 7. 5000 £5 pd., 5000	£4 pd.1 -				 71/2 per cent. per annum.
15000 Linares, t, Spain*+		0	1		 11 6 4 0 5 0 Jan. 1865
50000 Panulcillo, c*t	3 0	0	3	234 314	 10 per cent Yearly.
10000 Pontgiband, s-l, Francet		0	8	2% 3%	 4 3 2 1 3 6. Dec. 1866
100000 Port Phillip, g. Clunest		0	1	34.1	 0 15 6 0 1 0July, 1866
1200008cottish Australian Mining Co		0			 716 per cent Dec. 1866
11000 St. John del Rey, Brazil*			53		72 15 0 4 0 0. Dec. 1866
50000 Victoria (London) [25000 £1 pd					0 9 0 0 1 0Jan. 1866
10000 West Canada Mining Company					 0 19 6., 0 2 6. May, 1865

FOREIGN MINES WITH DIVIDENDS IN ABEYANCE.

10000 Alten and Quænangen United, ca	4	10	0	-			4	5	0	0	15	0Nov. 1853
20000 Australian, c. South Australiat	. 7	7	6	-			 0	2	0	0	1	0June, 1865
2464 Burra Burra, c. South Australia.		0	0	40			325	0	0	5	0	0Dec. 1864
12000 Cobre Copper Company, c. Cuba+.	40	10	0	-	 1/4	1	 101	0	0	1	0	0. Jan. 1865
10000 Copiano Mining Company, Chili-	16	10	0	-	 		 6	18	0	0	10	0. Nov. 1862
100000 Don Pedro No. del Rey, Brazil*	0	14	0	1	 194.	218.	 0	0	9	0	0	9. Dec. 1863
70000 English and Australian, c	2	10	0	1	 34	3/8	 1	12	0	2	0	0Aug, 1864
68000 Kapunda Mining Co., Australia	1	0	0	-	 		 0	12	0	0	1	0June, 1864
7927 Lusitanian (Portugal)	- 8	0	0.,	40,000			 1	7	0	0	3	0June, 1865
43174 United Mexican, s. Mexico	28	- 5	0	2	 116	2	 2	19	0	0	5	0Sept. 1864
10000 Vancouver, cl*†	6	0	0	description			 0	15	0	0	5	0 Nov. 1864
45000 Vudanamutana, c. S. A. **	3	0	0	150	 134	7.56	 0	5	0	0	5	0. Ang. 1863

NON-DIVIDEND FOREIGN MINES.

Shares. Mines.	Paid. Last Pr. Bus. done. Last Call.
35000 Alamillos, 7, Spain*+	2 0 0 114 1 114 Fully pd.
100000 Anglo-Brazilian, g*+	0 10 0 12 3% 1/2 Nov. 1866
40000 Brittany Silver-Lead Mines, France* [15750 18s. pd.]	
25000 Capula, s. Mexico*+	1 12 0 Aug. 1866
30000 Chontales, g. s. Nicaragua*+	3 00 234 21/2 23/4Oct. 1866
10000 Copiano Smelting, Chili*	10 0 0 April.1866
300 Copper Miners' Co. of South Australia* [150 £100 pd.,	150 £70 pd.] Nov. 1866
25000 East del Rev. g. Brazil**	2 15 0 June, 1866
15000 El Chico Silver Mining and Reduction Company	4 10 0Jan. 1866
8000 English and Canadian Mining Company*	5 0 0 Fully pd.
50000 Frontino and Bolivia, g, New Granada*†	1 12 6 3s Dec. 1866
80000 Great Northern, c, South Australia*	1 11 6 Sept. 1862
10000 Great Barrier Land, Mining, &c., New Zealand	5 0 0 Fully pd.
83090 Mariquita and New Granadat	0 12 6Jan. 1867
12500 Nerbudda Coal and Iron** [6000 £3 pd., 6500 £4 pd.]	Aug. 1865
50000 Nove Scotia Land and Gold*	1 15.0 — Sept. 1865
15000 Otes. c. New Zealand* [5000 fully paid]	1 10 0April,1866
	00 0 0 Stock.
30000 Pestarena, g*†	2 0 0 216 136 2 Aug. 1866
	10 0 0 Fully pd.
10178 Khenish Consolidated, I [6000 £5 pd., 4178 £2 10s. pd.]	May, 1866
50000 Rossa Grande, g, Brazil	0 76April,1864
15000 San Pedro del Monte, s, Mexico*	4 0 0 —
10000 San Roque, l, Spain	10 00
30000 Val Antigoria, g*†	0 18 0
6000 Val Sassam, s, c, l*+	0 10 0 Tom 198*
5000 Valgodemard Mining Company*	Poller ad
50000 Vallanzasca, g. Italy**	Tulm 1909
45000 Victor Emanuel, c, Italy*	1 0 0 Fully pd.
20000 Washoe, g	5 0 0 Fully pd.
80000 Worthing, c, South Australia*	1 00 14 14 1/4 Fully pd.
75000 Yorke Peninsula, South Australia	1 0 0 Fully pd.

BANKS AND FINANCIAL COMPANIES.

Shares.				Ž.	L	ast P	7.	Bus	, done	2.
40000	Alliance**	25	0	0		19		17	17%	
40000	Australian Mort. Land and Financet	5	0	0		.15		5	51/6	
	Australasia†			0		63		64	66	
10000	Bank of Egypt†	25	0	0		31		35	37	
50000	Bank of New Zealandt	10	0	0		1834		17	19	9.9
25000	Bank of Otago*+	10	0	0		6		5	7	
20000	Bank of Victoria, Australiat	25	0	0		39		37	39	
8915	Canada Companyt	32	10	0		80		70	75	
	Canadian Loan and Investment *		10	0		11/4				
	Chart. Bank India, Aust. & Chinat		0	0		1616		18	19	
20000	Char. Merc. India, Lond. & Chinat	25	0	0		35		32	34	
50000			0	0		16		14	15	
20000	Colonial†	25	0	0		36		38	40	
40000	Company of African Merchants. *	3	0	0		3		3	31/4	
150000	Consolidated Bank*f	4	0	0		55		43%	53%	
200000	Credit Foncier and Mobilier of England**	8	0	0		3		23/4	4	
20000	East London*f	5	0	0		4		21/2	21/2	
20000	English, Scottish, & Aust., Chart. +	20	0	0		171/2		18		
20000	English and Swedish*†	25	0	0		1416		123/4	13	
	General Credit and Finance of London*		0	0						
20000	Imperial Bank*+	20	0	0		24		24		
150000	International Financial Society*	15	0	0		33/4		2		
200000	International Land Credit*	- 6							5	
4000	London African Trading*†	10							5	
50000	London Chartd. Bank of Australia	20	0	0		221/2			231/2	
37500	London and County	20				65		67		
	London Financial Association *		0					61/2	71/2	
72000	London Joint-Stock	15	()	0	* *	42				
10000	London and South-Western*†	20				18		17		
50000	London and Westminstert	20	0	9		94		97	99	
20000	Mercantile and Exchange*	12	10			-				
17156	Metropolitan and Provincial*†	20	0			10%				
20000	Mineral Rights Association*	- 1				Records.				
20000	National of Australia +	- 4				6		- 5	6	
20000	National of Liverpool*	1.5				mose				
40000	National	30				70		67	69	**
20000	New South Walest	20				46		43		
40000	Union of Australiat	25				50		47		
80000	Union of Londont	15	0	0		45	0.0	4.5	46	

		SIVE MINES.		Shares. Mines. 6000 Prosper Un., t, c, St. Hilary	Paid. Last Pr. Bus. d 8 14 0. 3%34 33 1 9 6 —10s. 12
	Shares. Mines. 4000 Ballacorkish, I.of Man, I, c* 3000 Bedford Unit., c, Tavistk.*	Paid. Last Pr. Bus. d		1 DOOD REMAINA, I, CATHAITON	4 0 0 — 0 11 0 —
	3000 Bedford Unit., c, Tavistk.* 3200 Bedol Aur, l, Holywell 500 Billins, l, Flint	1 7 0 — 30 0 0 —	Nov. 1866 Fully pd. Mar. 1866		5 0 0 6 5 6 5 0 0 — 5 2 6 —
aid 186 186	6 1248 Boscaswell, t, c, St. Just	7 6 0	Dec. 1866	3848 Rosewarne United, c, t	3 0 0 1¾1¼ 1¼ 4 0 4 34
186 186	6 2000 Bryth Gwing, t, Filmt	28 0 0 — 9 0 0 —20 22½	Jan. 1866 4June, 1864	400 Silver Brook, s-l, Carmar.*	1 0 0 — 10 0 0 — 4 5 6 —
186 186 186	6 1000 Camborne Consols, c 4600 Camborne Vn. & Wh. Fran.	18 10 0 —	Feb. 1864 July, 1866	512 South Basset, c, Gwennap.	1 14 6 —
186	7 11000 Cape Cornwall, t, c* [8000 £2 8 12000 Caradon & Phœnix* [2500 20	10s. pd., 3000 10s. pd.] 0s. pd., 9500 12s. pd.]	Oct. 1866	6000 South Carn Brea. c. Hlogan	8 10 6
186 186			1Jan. 1867	6138 So. Condurrow, t, e, Camb.	3 13 6 /8 /4 /8
186 186 186	7 5000 Carnaryonshire, l*	4 0 0 — .,3005 £4 5s. pd.] 4s.	Fully pd. April,1866 Sept. 1866	2283 South Crenver, c, Crowan 6000 S.Dolcoath&Carnarth.Con. 5000 So. Exmouth, l, Christow	2 16 6
866	66000 Castell Carn Dochan (*)	0 8 6	Mar. 1865	5000 So. Exmouth, l, Christow 5000 So. Foxdale, l, I, of Man* 1024 So. Herodsfoot, l, Liskeard 4000 South Minera, l, Wrexham*	8 10 0 — 9 10 0 —
866 866	2500 Central Minera, l*	3 12 6 — 1 0 0 —	Nov. 1866 Fully pd,	96 South Pant-y-Gof, t 930210 South of Scotland* 937 So. Wh. Crofty, c, Illogan.	7 0 0
866	3 8000 Univerton Moor, t, Perranz.	9 10 0 0 28 0 0 /2	NOV. 1866	496 So. Wh. Crofty, c, Illogan. 2 496 So. Wh. Frances, c, Illog.† 1 6000 South Wheal Grenville, t, c	8 18 9 22 /2 18 20
866 866 867	256 Condurrow, c, t, Camborne 5000 Connorree, c, sul, Wicklow*	76 10 0 — 13 15 1 0 0 — 178.	Feb. 1865 Fully pd.	4152 South Wheal Leisure, t, c 400 So. Wh. Seton, c, Camborne 7 512 South Tolgus, c, Redruth	1 10 0
866 866 866	1024 Copper Hill, c, Redruth	12 10 0	July, 1866 June, 1866 Fully pd.	3000 South Trevenna, t, c* 64 Spearne Consols, t, St. Just 1 280 Spearne Moor, t, St. Just 1 4000 St. Day Unit., t, Redruth. 1	2 0 0 — 0 0 0 —
866 866	6000 Cornwall Great Consols	1 8 0	Fully pd. May, 1866 Dec. 1866	280 Spearne Moor, t, St. Just 4000 St. Day Unit., t, Redruth 1 940 St. Ives Consols, t, St. Ives. 1	6 10 0 — 6 10 0 — 0 15 0 9 8 9
866 866	6000 Cuddra, t, St. Austell	5 0 0 — 1 0 0 3s 2s. 3s.	July, 1866 Oct. 1866 Fully pd.	940 St. Ives Consols, t, St. Ives. 1 673 St. Ives Wheal Allen, t 1 9000 St. Just Cons. t [6000 £1 pd., 7000 Stiperstones, t, Salop* 920 Stray Park, e, t, Cambornet 4	8 10 1 — 3000 10s. pd.]
866 866			Oct. 1866 May, 1866 Dec. 1866	920 Stray Park, c, t, Cambornet 4 3500 Tin Hill, t, St. Austell	1 18 0 514 4 414
866 866	1024 Devon Wheal Lopes, c* 12800 Drake Walls, t, Calstock	17 0 0 — 2 5 0 111/4 13/4	Tule 1000	3509 Tin Hill, t, St. Austell 6000 Tolcarne, c, Camborne 548 Trelyon Consols, t, St. Ives. 1 501 Tresavean and Trethurrup 1	3 1 6 — 6 0 0 — 5 10 0 —
$866 \\ 866 \\ 866$	656 Ding Dong, t, Gulvat 20000 Dolfrwynog, g* 25000 Dundalk, Ireland, t*	0 15 0 — 0 12 6 —	June, 1864 April, 1866	4440 Trevenen & Tremenheere 4096 Treweatha, s-l, Menheniot. 1943 Treworlis, t, Wendron	7 11 0 = ::
866 866 866	740 Eaglebrook, l*	13 7 0 8½ 8 9 19 15 0 —	June, 1866 July, 1866	6400 Tyne Head, t, c*	0 17 0
866 866	1000 East Basset and Gryns, t		Oct. 1865	4200 Vigra and Clogau, c, Dolg.* 60000 Welsh Gold, Dolgelly* 1024 West Caradon, c†	0 0 0
	4096 East Brookwood, Holne 2000 East Buller, c, Gwennap 4000 East Chiverton, l, Perranz.	2 0 0.,	July, 1866 Mar. 1865 Dec. 1866	1000 West Clogau, g, Merioneth.	1 0 0
865	2048 E. Falmouth, s-l, Kenwyn.	3 3 6 214 2 214	April, 1864 Nov. 1866	2850 W. Condurrow, t, c, Cam 1 256 West Damsel, c, Gwennap. 3 5000 West Godolphin, t	8 10 0
$\frac{865}{865}$	6000 East Holyford, c, Ireland*. 6145 East Jane, s-l, Cardinham.	2 17 6	Aug. 1866 Oct. 1866 April,1865	5000 West Godolphin, t	3 8 0
865 865 865	6000 East Laxey, I, Isle of Man*	2 10 0	Dec. 1865 Aug. 1866 Nov. 1866	1000 West Rose Down, c. Linkin, 1	7 0 0
000	6000 East Snaefell, I. I. of Man*	2 0 0	May, 1865 Dec. 1864 Oct. 1865	6000 West St. Ives, t, c	
866	5610 East Seton, c, Camborne	d., 3000 £1 10s. pd.]	Nov. 1866 April, 1866	512 West Tolgus, c, Redruth 5 512 W. Wh. Frances, t, Illogan 10 5000 W. Wh. Kitty, t, St. Agnes. 10000 W. Wh. Martha, c, s, Stoke.	1 10 0 26 24 26 4 15 0 17½ 16 17
988	1190 E. Wh. Agar, c, St. Cleer 4000 E. Wh. Russell, Tavistock† 15000 Ellen Unit., c,z,St. Agnes*	11 16 6 234 3 314	Jan. 1865 Jan. 1867 Nov. 1866	1360 W. Wh. Prosper, t, Lanivet	0 15 0
866 865	6000 Fortescue Consols, c 940 Fowey Con., c, Tywardreath	5 1 6	June, 1866	8000 Wharfedale Mining Co.* 6000 Wheal Agar, c, Illogan 6000 Wheal Basset Consols	7 0 6 11/211/4 11/4
y. 166 166	1000 Furze Hill WoodCon, Buckl. 1000 Fursdon, c* [5000 £1 10s.] 1026 Garden, t. Morvah	5 12 9	Feb. 1866 Mar. 1865 Mar. 1865	1000 Wheal Basset and Grylls, t 512 Wheal Buller, Redrutht 1	7 18 6 24 26
366 366	4096 Garlidna Unit., t, Wendron 4000 Gawton, c, Tavistock 6000 Gen. Min. Co. for Ireland, c	3 5 6 234 314	Feb. 1866	1000 Wheal Curtis, c, Crowan 1 6000 Wheal Crebor, c, Tavistock 6144 Wh. Damsel, c, t, Gwennap	2 15 0
866 865	40000 Glasgow Caradon c* [30000 £] 6144 Gonamena, c, St. Cleer	1 pd., 10000 10. pd.] 5 16 6 —	Sept. 1866 Dec. 1866	4096 Wh. Edward, c, Caistock 849 Wheal Emily Henrietta, c. 1	9 1 6
	6000 Gothic, s-l, Cardigan* 486 Grambler and St. Aubyn*. 1 4096 Great Caradon, c, St. Ives.	70 0 0 6 2 5 6	Fully pd. Nov. 1866 Nov. 1866	6000 Wheal Grenville, c, Camb. † 6000 Wheal Hartley, c, Gwinear	9 8 6 278 228. 248
65 65	3000 Gt. East Lovell, t, Helston 5000 Great Mona, l, I-le of Man*	3 10 0	Nov. 1866 June, 1866	6000 Wheal Ida, s-l, St. Ive 1024 Wh. Kitty, t, Uny Lelantt. 512 Wheal Jane, s-l, Kea	3 10 6 314
64 65 62	12500 Gt. No. Laxey(Isle of Man)*	5 18 0 4¼3¾ 4¼ 0 12 6 1¼ 2 2 0 2½2¼ 2¾	Jan. 1867	512 Wheal Jane, s-l, Kea 1 896 Wh. Margaret, t, Uny Lel. 1 728 Wheal Margery, t, c	3 17 6 10 8 10
63 64 64	6000 Great South Chiverton, s-l. 6000 Gt. So. Tolgus, c, Redruth.	1 9 6 % 1	July, 1866 Aug. 1866 June, 1864	1000 Wheal Mary Florence, co	1 10 0
65 64	3313 Great Wheal Baddern, t 1798 Gt. Wh. Fortune, t, Breage 2	7 17 6 — 4 6	June, 1863 Dec. 1866	6000 Wh. Norris, t, c, St. Cleer 80 Wheal Owles, t, St. Just 7 1024 Wh. Par, t, St. Blazey	4 6 1
64 63	119 Great Work, t, Germoe10 2500 Grit and Stapeley, l* 1 10240 Gunnislake (Clitters'), t, c.	00 0 0	July, 1864 Aug. 1866	1024 Wheal Polmear, c 1500 Wheal Sarah, t, Lanivet	8 13 9
1	6068 Gwydyr Pk. Con., Llanrwst	1 13 0 2 13 0	Nov. 1866	6000 Wheal Sparnon, c, Redruth 1920 Wh. Trannack, c, Sithney, 2044 Wh. Tremayne, t, Gwinear	1 12 3
u.	6400 Harwood, l, Durham* 5000 Havan, l, Cardigan*	4 15 0	Sept. 1864 Mar. 1866 June, 1866	1200 Wheal Trevenna, t, c* 4096 Wheal Uny, t, c, Redruth. 10 4450 Wheal Vlow, t, Perranzab.	0 0 0 2% 2%
66	6000 Illogan, t, c 6000 Lady Bertha, c, Tavistock. 3000 Leawood, c, t, Lydford 1019 Leeds and St. Anbyn, t, c, . 1	3 3 6	Jan. 1866 June, 1866 Mar. 1866	6000 Wheal Union, c, Redruth	i ii: = ::
66 66	963 Lelant Cons. t, Uny Lelant 3	0 8 1	Mar. 1863 June, 1866		
86 86	6000 Levant United, St. Just 1024 Lovel Consols, t 2000 Lower Park, I, Denbigh* 3000 Maes-y-Safn, l* 2	0 10 0	Jan. 1864	MISCELL	ANEOUS.
1.	3000 Maes-y-Safn, l*	0 0 0 — .: 4 7 0 — ::	Jan. 1866 May, 1865 Jan. 1866	60000 Anglo-American Telegr.*† 1 20000 Anglo-Mexican Mint† 1	0 0 0 15 15%15% 0 0 0 16 15 16
1.	4975 Molland, c. South Moulton	3 13 0 —	Sept. 1863 Aug. 1865	600000 Atlantic Telegraph*†10 20000 Australian Agricultural†, 20	0 0 0 37 20 25 0 10 0 18 19 21
55 55 6	640 Mount Pleasant, l, Mold 1024 Nangiles, t, c, Kea 20 4000 Nanteos, l, Cardigan*	4 0 0 — 6 5 0 —	Oct. 1866 Fully pd.	25000 Bolckow, Vaughan*† 1 6000 British American Land†, 4 534780 Brit. & Irish Mag. Teleg.*†100	0 0 0 . 94 . 90 94
6	250 Nanty Mines, I. Montgom, 9	6 10 0 —	Jan. 1865 Aug. 1866 Mar. 1866	50000 British Shipownerst 1 25000 Ceylon Company*† 1 27000 ChinaStmship&Lab.Coal† 1	7 10 0 910
6	6000 New Clifford, c, Gwennap* 24000 New Cornish [12000 £1 pd., 12 6400 N. Crow Hill, l, St. Stephen	2000 15s. pd.]	Sept. 1866	20000 City Discount*†	8 0 0 414 414 5
6	6514 New E. Russell, c. Taviatk. 6400 Nether Hearth, l, Dufton 400 New Hendra, t, c, Breage 1	0 10 6 — 1 1 0 — 4 11 0 —	Sept. 1866 May, 1865 Mar. 1866	20000 City Offices*1 1/ 50000 Commercial Unit (Inst.) *	5 0 0 — 18 19 5 0 0 — 3 4
6	6000 New Tamar, 8-1	7 6	Nov. 1866 Dec. 1866	10000 Cred. Fonc. of Mauritius*† 16	£25 pd., 40000 £100 pd.,
6	5755 New Treleigh, c, Redruth. 960 New Trevenen, t, Wendron 4096 New Wheal Lovell, t,	8 14 0 — 1 9 0 —	Aug. 1866	1002925Crystal Palacet	0 0 0 101 102 106 .
	400 New Wh. Seton, c, Cambn. 5 2000 New Wheal Towan, c, t	3 15 0 4032563756	Dec. 1866 July, 1866 July, 1866	7500 Darjeeling*†	0 0 . 13 3 4 3 4
-	3457 North Downs, c, Redruth.	8 10 24 78	Oct. 1866	80000 Ebbw Vale Iron Co.*† 23 113813 Egyptian Com. & Tradg. *†	00. 91/4. 551/4
	1361 No. Grambler, c, Redruth 16000 N. Hallenbeagle [8000 £1 pd., 8	8000 8s. 6d. pd.]	July, 1865 Sept. 1866	879975 Electric Telegraph †100 20000 English and For. Credit *† 7 25000 Fairbairn Engineering *†. 5	10 0
	20000 North Levant, t, c, St. Just 10 20000 Nth. Minera, l. Wrexham*	0 8 0	Sept. 1866 Fully pd.	30000 Fore-street Warehouse*†. 12 20060 General Stm. Navigation† 14 4000 Hollybush Col. and Coke* 5	0 0 1313 13% 0 0 27 26 28
	6400 North Pool, c, Illogan 4 695 No. Roskear, c, Camborne. 49	18 6	May, 1864 Nov. 1868 Jan. 1867	20000 Home and Colon. Assur. *† 5 100000 Hudson's Bay† 20	0 0 2 16 1614
1	6000 North Wheal Basset, c, tt., 5	0 0	July, 1866 April,1866	80000 Im. Land Co. Marsailles*† 10 50000 Indian Carrying*† 1 30000 Italian Land† 5	15 0
	6144 N. Wh. Robert, Smp. Spiney	11 3 55% 5%	July, 1866 Feb. 1866 Ang. 1866	20000 Land Securities *† 5 20000 London and Caledonian *† 5 12000 London Dist. Telegraph *† 5	0 0 4 2 2/3 4
-	12288 Okel Tor, c, Calstock 2	40.0		Marat I and a Class Constitution of the	and the same and

140	3.00	Legant cons. t, Uny Legant 35 U.S.	June, 1866	
96	160	Levant, c, t, St. Just 10 8 1 Levant United, St. Just 0 10 0	*** une, 1800	
6	1004	Loveli Consols, t	3 314	
	1024	Lower Park, I. Denbigh*. 3 11 0 —	Jan. 1864	MISCELLANEOUS.
6	2000	Lower Park, l, Denbigh* 3 11 0 — Maes-y-Safn, l* 20 0 0 —	Jan. 1866	and a man moon
6	2000	Maudlin, c, Lostwithiel 4 7 0	May, 1865	60000 Anglo-American Telegr. * 10 0 0 15 15% 15
	6000	Maudilin, c, Lostwithier 4 1 0	Jan. 1866	20000 Anglo-Mexican Mint 10 0 0 16 15 16
2	2000	Merllyn, I, Flint 3 15 6 — Minera Western Boundry* 0 2 6 —	Sept. 1863	600000 Atlantic Telegraph * 100 0 0 37 20 25
-	3000	Minera Western Boundry 0 26	Aug. 1865	20000 Australian Agriculturalt, 20 10 0 18 19 21
:	4975	Molland, c, South Moulton 3 13 0		25000 Bolckow, Vaughan*† 17 10 0211/233
5	640	Mount Pleasant, I, Mold 4 0 0	Oct. 1866	6000 British American Landt., 44 0 0., 25 20 25
5	1024	Nangiles, t, c, Kea 26 5 0	Fully pd.	534780 Brit. & Irish Mag. Teleg. *†100 0 0 94 90 94
6	4000	Nanteos, l, Cardigan* 1 0 0	Jan. 1865	
	512	Nant Minera, 1 6 10 0	Aug. 1866	25000 Ceylon Company** 10 0 0. 9%. 9 10
0	250	Nanty Mines, l. Montgom. 30 0 0		27000 ChinaStmship&Lab.Coalt 11 0 0. 11/4 . 11/4 21/4
	6000	New Clifford, c, Gwennap* 2 0 0	Mar. 1866	30000 City Discount* 3 0 0 24 2
5	24000	New Cornish [12000 £1 pd., 12000 15s. pd.]	Sept. 1866	
	6400	N. Crow Hill, l. St. Stephen 3 20	Nov. 1866	20000 City London Real Prop. * 8 0 0 41/2 41/4 5
5	6514	New E. Russell, c. Tavistk. 0 10 6	Sept. 1866	35000 City of Moscow Gas*† 25 0 0 18 19
	6400	Nether Hearth, I, Dufton 1 10	May, 1865	20000 City Offices*1 15 0 0 — 3 4
. 1	400	New Hendra, t, c, Breage 14 11 0	Mar. 1866	50000 Commercial Unt. (Insu.) † 5 0 0. 514. 434 5
9	6400	New Pembroke, t, c 1 0 6	Nov. 1866	42000 Copper Miners of Eng. † [2000 £25 pd., 40000£100 pd.
1	6000	New Tamar, s-1 0 7 6	Dec. 1866	10000 Cred. Fonc. of Mauritius*† 10 0 0 61/461/4 71/4
:	5755	New Treleigh, c, Bedruth 4 80	May, 1866	1002925Crystal Palacet100 0 0 29 28 30
5	960	New Trevenen, t. Wendron 8 14 0	May, 1866	160820 ditto preferencet100 0 0 101102 106
. 1	4096	New Wheal Lovell, t 1 90	Ang. 1866	277000 ditto 6 per cent. p.d. 100 0 0., 102 102 100
.	400		163716Dec. 1866	7500 Darjeeling*t 14 0 0 13
	2000	New Wheal Towan, c, t 1 10 0	July, 1866	20000 E. Indian Land, Credit * 1. 10 0 0 2 3 4
1	16000	North Devon, 8-1* 0 16 0	July, 1866	50000 E. India Irriga. & Canalt. 15 0 0 11111/612/
1	5000	No. Dolcoath, c, Camborne, 4 0 0	4 %Oct. 1866	80000 Ebbw Vale Iron Co. * 23 0 0 9 11
1	3457	North Downs, c. Redruth. 4 8 10	Jan. 1867	113813 Egyptian Com. & Tradg. * 1 9 0 0 41/2 5 51/4
1	1261	No. Grambler, c. Redruth., 6 19 9.,	Dec. 1866	879975 Electric Telegraph t100 0 0 138 132 137
1	16000	N. Hallenbeagle [8000 £1 pd., 8000 8s. 6d. pd.]	July, 1865	20000 English and For. Credit* 7 10 0
1	6000	North Jane, t. s.l. Kenwyn. 3 0 6 78 7	4 Sept. 1866	25000 Fairbairn Engineering . 5 0 0 41/2
J	2000	North Levant, t. c. St. Just 10 8 0	Sept. 1866	30000 Fore-street Warehouse*† 12 0 0 1313 1314
1	20000	Nth. Minera, I. Wrexham* 1 00	Fully pd.	20060 General Stm. Navigation 14 0 0 27 26 28
1	4000	N Phoenix c. Linkinghorne 4 4 0	May, 1864	4000 Hollybush Col. and Coke* 5 0 0
1	6400	North Pool e Illogan 4 18 6	Nov. 1868	20000 Home and Colon. Assur. * 5 0 0 2
	695	No. Roskear, c. Camborne, 49 3 9 5	7 1Jan. 1867	100000 Hudson's Bayt 20 0 0 1716 16%.
1	9000	No Shenherds / Newlyn., 6 00.,	July, 1866	80000 Im. Land Co. Marsailles*† 10 0 0 3 1 2 .
1	5926	No. Treakerby, c. St. Agnes 1 9 9 2% 2%	8 2%	50000 Indian Carrying* 1 15 0
1	6000	North Wheal Ragget, C. H., 5 00.	April,1866	30000 Italian Landt 5 0 0 31/4 3 31/4
1	5610	North Wheal Crofty, ct 3 11 3 5 5%		20000 Land Securities * 5 0 0 4 2 2%
1	6144	N. Wh. Robert, Smp. Spiney 4 h a	Feb. 1866	20000 London and Caledonian * 5 0 0 2
1	12288	Okel Tor. c. Calstock 2 7 4	Ang. 1866	12060 London Dist. Telegraph * 5 0 0 11/4 11/4 2 -
1	8000	O'd Gunnislake, c, Calstock 2 10 0	Aug. 1866	148525 London Gen. Omnibus * 4 0 0 314 274 3%
1	5000	Orsedd, I. Flintshire 0 08	**	5000 London and Glas. Engl. * 25 0 0 8 2 4
1	4400	Par Consols c. St. Blazevt. 2 20	Nov. 1866	64500 London & Prov. Marine*† 2 0 0 21/2 11/2 2 -
ı	6000	Parand St. Blazev Cons. t.c 1 18 9	Sept. 1866	10000 Marine Investment* 6 5 0
1	GARE	Pednan-drea t. Redruth. 5 16 6	Dec. 1866	12500 Manritius Land, Cred., &c. ** 2 0 0 114 *
1	5000	Pendeen Consols, c. St. Just 5 15 0	Oct. 1866	12000 Mediterranean Ex. Tel. * 10 0 0 3 21/4 3 -
	2240	Penhale Wheal Vor. t. c 3 20	Jan. 1867	10000 Merchant Shipping*t 20 0 0 8 10 12 -
1	5000	Penhalls f. St. Agnes 3 0 0 342%	314 May, 1866	25000 Millwall Freehold Landt., 20 0 0., 1014
1	1.5000	Penhale and Lomax, s.l., 1 10 0.,	Oct. 1866	40060 Millwall Ironworks* 7 10 0
1	6519	Penhallow Moor, ad 9 10 0	Sept. 1865	22500 Natal Land and Col* 5 0 0 2
1	000	Donwalt a. I Merioneth 2 7 0		120000 National Discount* 5 0 0. 151414 144 -
1	1900	Pentre Lygan, 1° 30 0 0	May, 1865	40000 ditto new, issued at 5 pm. + 2 10 0
1	270	Polberro, t, St. Agnes 15 0 0 —	Fully pd.	20000 National Provin. Marine*† 2 10 0
1	510	Polbreen, t, St. Agnes 8 0 0	Aug. 1860	20000 National Steam Naviga. * 30 0 0. 18 15 17 -
-	10000	Prince Arthur Consols, l* 2 0 0	Fully pd	40000 N. British & Merc. Insur. + 6 5 0. 17 151/416/4-
- 1		Limes Minini Comming to the Committee of	are unity in:	The second of motor insulation of the second
	10000	Prince of Wales, t, Calstock 0 11 6 33s34s	S. BES. NOV. INCC.	15000 Royal Mail Steam * 60 0 0 105 107 110 -

b, blende; cl, coal; c, copper; g, gold; l, lead; s, silver; sl., slate; s-l, silver-lead; t, tin; z, zinc.

*.. Companies marked thus * have been incorporated with Limited Liability; those marked † have been admitted on the Size

*, * Our object being to make the Share List correct, we carnestly call upon those who have the power to aid us, by *orwardist* tions or correction which may, from time to time, come under their notice. To shareholders, as well as those officially set the mines, we appeal for information. Reports from mines—in fact, mining intelligence of every description, forwardels will meet with ready attention.

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